Natural History Museum Library
000249902

O.Y2 A a (1.)
α
B.

Mr. Gray's Room

LIST

OF THE

SPECIMENS

OF

BRITISH ANIMALS

IN

THE COLLECTION

OF THE

BRITISH MUSEUM.

VIII FISH. e.

BRITISH MUSEUM NATURAL HISTORY Z 2 S D

PRINTED BY ORDER OF THE TRUSTEES.

LONDON, 1851.

LONDON:
PRINTED BY EDWARD NEWMAN,
9, DEVONSHIRE ST., BISHOPSGATE.

INTRODUCTION.

THE principal object of the present Catalogue has been to give a complete list of the species of Fishes that have been recorded as found in Great Britain, indicating at the same time their localities, and the species that are contained in the Collection; the latter are indicated by the letters B. M. annexed.

The synonymy of this Catalogue has been chiefly collated by MR. ADAM WHITE.

JOHN EDWARD GRAY.

British Museum,
Sept. 26th, 1851.

LIST OF SPECIES.

Sub-Class I. Pisces Ossei, 1

Order I. Acanthopterygia, 1

Sub-ord. I. Dactylophori, 1

Fam. I. Triglidæ, 2

Genus i. Trigla, 2
1. Trigla cuculus, 2
2. Trigla lineata, 3
3. Trigla Hirundo, 3
4. Trigla pœciloptera, 3
5. Trigla Lyra, 4
6. Trigla Gurnardus, 4
7. Trigla Blochii, 4
8. Trigla lucerna, 5

ii. Peristedion, 5
1. Peristedion cataphractum, 5

Fam. II. Cottidæ, 6

i. Cottus, 6
* *Cotti fluviatiles*, Bon. 6
1. Cottus Gobio, 6
** *Scorpichthes marini*, Bon. 6
2. Cottus Scorpius, 7
3. Cottus Bubalis, 7
4. Cottus quadricornis, 7

ii. Agonus, 7
1. Agonus cataphractus, 7

Fam. III. Scorpænidæ, 8

i. Sebastes, 8
1. Sebastes marinus, 8

Sub-ord. II. Holodactyli, 9

Fam. IV. Percidæ, 9

i. Perca, 9
1. Perca fluviatilis, 9

ii. Labrax, 10
1. Labrax lupus, 10

iii. Serranus, 10
* *Serranus*, Bon. 11
1. Serranus Cabrilla, 11
** *Cerna*, Bon. 11
2. Serranus gigas, 11

iv. Gymnocephalus, 11
1. Gymnocephalus Cernua, 12

v. Polyprion, 12
1. Polyprion cernium, 12

Fam. V. Trachinidæ, 12

i. Trachinus, 13
1. Trachinus Draco, 13
2. Trachinus Vipera, 13

ii. Sphyræna, 13
1. ? Sphyræna Spet? 14

Fam. VI. Mullidæ, 14
i. Mullus, 14
1. Mullus surmuletus, 14
2. Mullus barbatus, 14

Fam. VII. Sciænidæ, 15
i. Umbrina, 15
1. Umbrina cirrhosa, 15
ii. Sciæna, 15
1. Sciæna aquila, 16

Fam. VIII. Sparidæ, 16
i. Cantharus, 16
1. Cantharus lineatus, 16
ii. Chrysophrys, 17
1. Chrysophrys aurata, 17
iii. Pagrus, 17
1. Pagrus vulgaris, 17
2. Pagrus orphus, 17
iv. Pagellus, 18
1. Pagellus erythrinus, 18
2. Pagellus centrodontus, 18
3. Pagellus acarne, 19
v. Dentex, 19
1. Dentex Johnsoni, 19
vi. Boops, 20
1. Boops Boops, 20

Fam. IX. Labridæ, 20
i. Labrus, 20
1. Labrus Bergylta, 20
2. Labrus mixtus, 21
3. Labrus Comber, 22
ii. Crenilabrus, 22
* *Crenilabrus*, Val. 22
1. Crenilabrus Melops, 23
2. Crenilabrus pusillus, 24
** *Ctenolabrus*, Val. 24
3. Crenilabrus rupestris, 24
iii. Acantholabrus, 24
1. Acantholabrus exoletus, 25
2. Acantholabrus Couchii, 25
3. Acantholabrus Yarrellii, 25
iv. Julis, 25
1. Julis Julis, 26

Fam. X. Atherinidæ, 26
i. Atherina, 26
1. Atherina Presbyter, 26

Fam. XI. Mugilidæ, 27
i. Mugil, 27
1. Mugil capito, 27
2. Mugil Chelo, 27
3. Mugil curtus, 27

Fam. XII. Bramadæ, 28
i. Brama, 28
1. Brama Raii, 28
2. Brama pinna-squamata, 29

Fam. XIII. Scomberidæ, 29
i. Scomber, 29
1. Scomber Scombrus, 29
2. Scomber Colias, 30
3. Scomber punctatus, 30
ii. Thynnus, 30
1. Thynnus Thynnus, 30
2. Thynnus Pelamys, 31
3. Thynnus Alalonga, 31
iii. Pelamys, 31
1. Pelamys Sarda, 31
iv. Auxis, 32
1. Auxis bisus, 32
v. Lepidopus, 32
1. Lepidopus caudatus, 32
vi. Trichiurus, 33
1. Trichiurus lepturus? 33
vii. Xiphias, 33
1. Xiphias gladius, 33

viii. Lichia, 34
1. Lichia glaucus, 34
ix. Centronotus, 34
1. Centronotus ductor, 34
x. Gasterosteus, 35
1. Gasterosteus aculeatus, 35
2. Gasterosteus spinulosus, 36
3. Gasterosteus pungitius, 36
4. Gasterosteus spinachia, 36
xi. Caranx, 37
1. Caranx trachurus, 37
Fam. XIV. Zeidæ, 37
i. Zeus, 38
1. Zeus faber, 38
ii. Lampris, 38
1. Lampris guttatus, 38
iii. Centrolophus, 39
1. Centrolophus Pompilus, 39
Fam. XV. Gymnetridæ, 39
i. Regalecus, 40
1. Regalecus Glesne, 40
ii. Bogmarus, 40
1. Bogmarus arcticus, 40
Fam. XVI. Theutidæ, 41
i. Capros, 41
1. Capros aper, 41
Fam. XVII. Syngnathidæ, 41
i. Syngnathus, 42
* *Siphostoma*, Raf. 42
1. Syngnathus acus, 42
2. Syngnathus Typhle, 42
** *Syngnathus*, Raf. 43
3. Syngnathus æquoreus, 43
4. Syngnathus anguineus, 43
*** *Nerophis*, Raf. 44
5. Syngnathus ophidion, 44
6. Syngnathus lumbriciformis, 44
ii. Hippocampus, 45
1. Hippocampus brevirostris, 45
Fam. XVIII. Fistulariadæ, 45
i. Centriscus, 45
1. Centriscus Scolopax, 45
Fam. XIX. Blenniidæ, 46
i. Blennius, 46
1. Blennius Montagui, 46
2. Blennius ocellaris, 46
3. Blennius Gattorugine, 47
4. Blennius Pennantii, 47
ii. Pholis, 47
1. Pholis lævis, 48
iii. Centronotus, 48
1. Centronotus gunnellus, 48
iv. Zoarces, 49
1. Zoarces viviparus, 49
v. Anarrhichas, 50
1. Anarrhichas lupus, 50
vi. Ophidium, 50
* *Ophidium*, 50
1. Ophidium barbatum, 50
** *Fierasfer*, 51
2. Ophidium imberbe, 51
vii. Echiodon, 51
1. Echiodon Drummondii, 51
Fam. XX. Gobiidæ, 51
i. Gobius, 52
1. Gobius niger, 52
2. Gobius Ruthensparri, 52
3. Gobius minutus, 53
4. Gobius gracilis, 53
5. Gobius unipunctatus, 53
6. Gobius albus, 53
ii. Cepola, 54
1. Cepola rubescens, 54
2. Cepola longicauda, 54

Fam. XXI. Callionymidæ, 54
i. Callionymus, 54
1. Callionymus lyra, 55

Fam. XXII. Echeneididæ, 55
i. Echeneis, 56
1. Echeneis Remora, 56

Fam. XXIII. Lophiidæ, 56
i. Lophius, 56
1. Lophius piscatorius, 56

Order II. Malacopterygia, 58
Sub-order I. Malacopterygia Abdominalia, 58

Fam. I. Cyprinidæ, 58
i. Cyprinus, 58
* *Cyprinus*, 59
1. Cyprinus carpio, 59
** *Carassius*, 59
2. Cyprinus Carassius, 59
3. Cyprinus auratus, 60
ii. Barbus, 60
1. Barbus barbus, 60
iii. Gobio, 61
1. Gobio fluviatilis, 61
iv. Tinca, 61
1. Tinca vulgaris, 62
v. Abramis, 62
* *Abramis*, 62
1. Abramis Brama, 62
** *Blicca*, 63
2. Abramis Blicca, 63
*** *Bliccopsis*, 63
3. Abramis Buggenhagii, 63
vi. Leuciscus, 63
* *Idus*, 64
1. Leuciscus Idus, 64
** *Squalius*, 64
2. Leuciscus dobula, 64
*** *Gardonus*, 65
3. Leuciscus rutilus, 65
4. Leuciscus cephalus, 65
**** *Leuciscus*, 66
5. Leuciscus leuciscus, 66
6. Leuciscus lancastriensis, 66
***** *Scardinius*, 66
7. Leuciscus erythrophthalmus, 66
8. Leuciscus cæruleus, 67
****** *Alburnus*, 67
9. Leuciscus alburnus, 67
******* *Phoxinus*, 68
10. L. Phoxinus, 68
vii. Cobitis, 68
1. C. barbatula, 69
viii. Botia, 69
1. Botia tænia, 69

Fam. II. Esocidæ, 70
i. Esox, 70
1. Esox Lucius, 70
ii. Belone, 71
1. Belone vulgaris, 71
iii. Scomberesox, 71
1. Scomberesox saurus, 71
iv. Hemiramphus, 72
1. Hemiramphus Europæus, 72
2. Hemiramphus obtusus, 72
v. Exocætus, 72
1. Exocætus volitans, 73
2. Exocætus exiliens, 73

Fam. III. Siluridæ, 73
i. Silurus, 73
1. ?? Silurus Glanis? 73

Fam. IV. Salmonidæ, 74
i. Salmo, 74
1. Salmo Salar, 74
2. Salmo Trutta, 75
3. Salmo Eriox, 76
4. Salmo Fario, 77
5. Salmo ferox, 78
6. Salmo umbla, 78
ii. Osmerus, 79
1. Osmerus Eperlanus, 79
2. Osmerus Hebridicus, 79
iii. Thymallus, 79
1. Thymallus vulgaris, 80
iv. Coregonus, 80
1. Coregonus Pennantii, 80
2. Coregonus clupeoides, 81
3. Coregonus albula, 81
4. Coregonus Pollan, 81
v. Scopelus, 81
1. Scopelus Pennanti, 82

Fam. V. Clupeidæ, 82
i. Clupea, 82
1. Clupea Pilchardus, 83
2. Clupea Harengus, 83
3. Clupea Leachii, 83
4. Clupea Sprattus, 83
5. Clupea macrocephala, 84
ii. Rogenia, 84
1. Rogenia Esca, 84
iii. Alosa, 85
1. Alosa finta, 85
2. Alosa communis, 85
iv. Engraulis, 86
1. Engraulis encrasicolus, 86
v. Lepisosteus, 86
1. ?? Lepisosteus osseus? 86

Sub-order II. Malacopterygia Subbranchiata, 87
Fam. VI. Gadidæ, 87
i. Morrhua, 87
1. Morrhua callarias, 87
2. Morrhua Æglefinus, 88
3. Morrhua lusca, 88
4. Morrhua minuta, 89
ii. Merlangus, 90
1. Merlangus vulgaris, 90
2. Merlangus albus, 90
3. Merlangus carbonarius, 90
4. Merlangus pollachius, 91
iii. Merluccius, 92
1. Merluccius vulgaris, 92
iv. Lota, 92
1. Lota molva, 92
2. Lota vulgaris, 93
v. Motella, 93
1. Motella tricirrata, 93
2. Motella cimbria, 94
3. Motella mustela, 94
4. Motella argenteola, 95
vi. Brosmius, 95
1. Brosmius Brosme, 95
vii. Phycis, 96
1. Phycis bifurcus, 96
viii. Raniceps, 96
1. Raniceps fuscus, 96

Fam. VII. Pleuronectidæ, 97
i. Platessa, 98
* *Platessa*, 98
1. Platessa vulgaris, 98
2. Platessa flesus, 98
3. Platessa Pola, 99
4. Platessa elongata, 99

** *Cynoglossa*, 99
5. Platessa lævis, 99
*** *Limanda*, 100
6. Platessa Limanda, 100
7. Platessa Limandoides, 101
ii. Hippoglossus, 101
1. Hippoglossus vulgaris, 101
iii. Psetta, 102
1. Psetta maxima, 102
2. Psetta rhombus, 102
iv. Zeugopterus, 103
1. Zeugopterus hirtus, 103
2. Zeugopterus punctatus, 104
v. Pleuronectes, 104
1. Pleuronectes megastoma, 104
2. Pleuronectes laterna, 104
vi. Solea, 105
1. Solea vulgaris, 105
2. Solea pegusa, 105
vii. Monochir, 106
1. Monochir variegatus, 106
2. Monochir linguatula, 107
Fam. VIII. Cyclopteridæ, 107
i. Lepadogaster, 107
1. Lepadogaster rostratus, 108
ii. Gobiesox, 108
1. Gobiesox bimaculatus, 108
iii. Cyclopterus, 108
1. Cyclopterus Lumpus, 109
iv. Liparis, 109
1. Liparis vulgaris, 109
2. Liparis Montagui, 110
Sub-order III. Malacopterygia Apoda, 110
Fam. IX. Murænidæ, 110
i. Anguilla, 110
1. Anguilla acutirostris, 111
2. Anguilla latirostris, 111
3. Anguilla mediorostris, 111
ii. Conger, 111
1. Conger vulgaris, 112
2. ? Conger myrus? 112
iii. Ophisurus, 112
1. ? Ophisurus ophis?? 112
2. ? Ophisurus serpens? 113
iv. Murænophis, 113
1. ? Murænophis Helena? 113
Fam. X. Gymnotidæ, 113
i. Leptocephalus, 114
1. L. Morrisii, 114
ii. Ammodytes, 114
1. Ammodytes Tobianus, 114
2. Ammodytes alliciens, 115
Ord. III. Plectognathi, 116
Fam. I. Diodontidæ, 116
i. Tetraodon, 116
1. Tetraodon Pennantii, 116
ii. Orthragoriscus, 117
1. Orthragoriscus mola, 117
2. Orthragoriscus oblongus, 117
Fam. II. Balistidæ, 118
i. Balistes, 118
1. Balistes Capriscus, 118
Sub-class II. Pisces Chondropterygii, 120
Sub-ord. I. Eleutheropomi, 120
Fam. I. Acipenseridæ, 120
i. Acipenser, 120
1. Acipenser Sturio, 121
2. Acipenser latirostris, 121
3. ? Acipenser Huso ? 121

Fam. II. Chimæridæ, 121
i. Chimæra, 122
1. Chimæra monstrosa, 122

Sub-ord. II. Trematopnei, 122

Sub-sect. I. Squali, 122

Fam. I. Scylliadæ, 123
i. Scyllium, 123
1. Scyllium canicula, 123
2. Scyllium catulus, 124
ii. Pristidurus, 124
1. Pristidurus melanostomus, 124

Fam. II. Squalidæ, 125
i. Squalus, 125
1. Squalus glaucus, 125
2. ? Squalus carcharias ? 125
ii. Sphyrnias, 126
1. Sphyrnias Zygæna, 126
iii. Galeus, 126
1. Galeus canis, 126
iv. Mustelus, 127
1. Mustelus vulgaris, 127
v. Isurus, 128
1. Isurus cornubicus, 128
vi. Cetorhinus, 129
1. Cetorhinus maximus, 129
vii. Alopias, 129
1. Alopias Vulpes, 130
viii. Hexanchus, 130
1. Hexanchus griseus, 130
ix. Acanthias, 131
1. Acanthias vulgaris, 131
x. Dalatias, 131
1. Dalatias microcephalus, 132
xi. Echinorhinus, 132
1. Echinorhinus spinosus, 132

Fam. III. Squatinidæ, 133
i. Squatina, 133
1. Squatina vulgaris, 133

Sub-sect. II. Raii, 134

Fam. I. Pristididæ, 134
i. Pristis, 134
1. Pristis antiquorum, 134

Fam. II. Rajidæ, 135
i. Torpedo, 135
1. Torpedo marmorata, 135
2. Torpedo nobiliana, 135
ii. Raja, 136
* *Batis*, 136
1. Raja radula, 136
** *Dasybatis*, 136
2. Raja clavata, 136
3. Raja radiata, 137
4. Raja Batis, 137
*** *Raia*, 138
5. Raja marginata, 138
6. Raja fullonica, 138
7. Raja oxyrhynchus, 138
8. Raja microcellata, 139
9. Raja intermedia, 139
10. Raja Lintea, 140
**** *Læviraja*, 140
11. Raja acus, 140
iii. Cephaloptera, 140
1. Cephaloptera Giorna, 141
iv. Myliobatis, 141
1. Myliobatis aquila, 141
v. Trygon, 142
1. Trygon Pastinaca, 142

Sub-ord. III. Cyclostomi, 142
Fam. I. Petromyzonidæ, 142
i. Petromyzon, 143
1. Petromyzon marinus, 143
ii. Lampetra, 143
1. Lampetra fluviatilis, 144
2. Lampetra Planeri, 144
iii. Ammocœtes, 144
1. Ammocœtes branchialis, 145
Fam. II. Myxinidæ, 145
i. Myxine, 145
1. Myxine glutinosa, 145
Fam. III. Amphioxidæ, 146
i. Branchiostoma, 146
1. Branchiostoma lanceolatum, 146

DISTRIBUTION OF SPECIES.

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Triglidæ.	
	Trigla cuculus, 2 lineata, 3 hirundo, 3 pœciloptera, 3 Lyra, 4 Gurnardus, 4 Blochii, 4	Trigla lucerna, 5 Peristedion cataphractum, 5
	Cottidæ.	
Cottus Gobio, 6	Cottus Scorpius, 6 Bubalis, 6 quadricornis, 7 Agonus cataphractus, 7	
	Scorpænidæ.	
	Sebastes marinus, 8	
	Percidæ.	
Perca fluviatilis, 9 Gymnocephalus cernua, 12	Perca fluviatilis? 9 Labrax Lupus, 10 Serranus cabrilla, 11 Polyprion cernium, 12	Serranus gigas, 11

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Trachinidæ.	
	Trachinus Draco, 13 Vipera, 13	
	Mullidæ.	
	Mullus surmuletus, 14 barbatus, 14	
	Sciænidæ.	
	Sciæna aquila, 16	Umbrina cirrhosa, 16
	Sparidæ.	
	Cantharus lineatus, 16 Chrysophrys aurata, 17 Pagrus vulgaris, 17 Pagellus erythrinus, 18 centrodontus, 18 acarne, 19	Pagrus orphus, 17 Dentex Johnsoni, 19 Boops boops, 20
	Labridæ.	
	Labrus berggylta, 20 mixtus, 21 Crenilabrus melops, 23 rupestris, 24 Acantholabrus exoletus, 25 Julis Julis, 26	? Labrus comber, 22 Crenilabrus pusillus, 24 Acantholabrus Couchii, 25 Yarrellii, 25
	Atherinidæ.	
	Atherina presbyter, 26	

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Mugilidæ.	
	Mugil capito, 29	Mugil Chelo, 27 curtus, 28
	Bramadæ.	
	Brama Raii, 28	Brama pinna-squamata? 29
	Scomberidæ.	
Gasterosteus aculeatus, 35 spinulosus, 36 pungitius, 36	Scomber scombrus, 29 Gasterosteus aculeatus? 35 pungitius? 36 Spinachia, 37 Caranx trachurus, 37	Scomber colias, 30 punctatus, 30 Thynnus Thynnus, 30 Pelamys, 31 alalonga, 31 Pelamys sarda, 31 Auxis Bisus, 32 Lepidopus caudatus, 32 Trichiurus lepturus, 33 Xiphias gladius, 33 Lichia glaucus, 34 Centronotus Ductor, 34
	Zeidæ.	
	Zeus Faber, 38 Centrolophus Pompilus, 39	Lampris guttatus, 38
	Gymnetridæ.	
	Bogmarus arcticus, 40	Regalecus Glesne, 40

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Theutidæ.	
		Capros aper, 41
	Syngnathidæ.	
	Syngnathus acus, 42 Typhle, 42 æquoreus, 43 anguineus, 43 ophidion, 44 lumbriciformis, 44 Hippocampus brevirostris, 45	
	Fistulariadæ.	
		Centriscus Scolopax, 45
	Blenniidæ.	
	Blennius Montagui, 46 ocellaris, 46 Gattorugine, 47 Pennantii, 47 Pholis lævis, 48 Centronotus Gunnellus, 48 Zoarces viviparus, 49 Anarrhichas Lupus, 50 Ophidium barbatum, 50 imberbe, 51	Echiodon Drummondii, 51

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Gobiidæ.	
	Gobius niger, 52 Rutensparri, 52 minutus, 53 gracilis, 53 unipunctatus, 53 albus, 53	
	Cepola rubescens, 54	Cepola longicauda, 54
	Callionymidæ.	
	Callionymus Lyra, 55	
	Echeneididæ.	
		Echeneis Remora, 56
	Lophiidæ.	
	Lophius piscatorius, 56	
	Cyprinidæ.	
Cyprinus Carpio, 59* Carassius, 59 auratus, 60 Barbus barbus, 60 Gobio fluviatilis, 61 Tinca vulgaris, 62 Abramis Brama, 62 Blicca, 63 Buggenhagii, 63 Leuciscus Idus, 64		

* Some of the Cyprinidæ have been introduced, such as C. auratus and others.

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
Leuciscus		
Dobula, 64		
rutilus, 65		
cephalus, 65		
Leuciscus, 66		
Lancastriensis, 66		
erythrophthalmus, 66		
cæruleus, 67		
alburnus, 67		
Phoxinus, 68		
Cobitis		
barbatula, 69		
Botia		
tænia, 69		
	Esocidæ.	
Esox	Belone	Hemiramphus
Lucius, 70	vulgaris, 71	Europæus, 72
	Scomberesox	obtusus, 72
	saurus, 71	Exocætus
		volitans, 73
		exiliens, 73
	Salmonidæ.	
Salmo	Salmo	
Salar, 74 (Anadromous)	Salar, 74 (Anadromous)	
Trutta, 75 (Anadromous)	Trutta, 75 (Anadromous)	
Eriox, 76 (Anadromous)	Eriox, 76, (Anadromous)	
Fario, 77	Osmerus	
ferox, 78	Eperlanus, 79	
umbla, 78	Hebridicus, 79	
Thymallus	Scopelus	
vulgaris, 80	Pennanti, 82	
Coregonus		
Pennantii, 80		
clupeoides, 81		
albula, 81		
Pollan, 81		

FRESH WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Clupeidæ.	
	Clupea	
	Pilchardus, 83	
	Leachi, 83	
	Sprattus, 84	
	macrocephalus, 84	
	Rogenia	
	Esca, 84 (Estuaries)	
	Alosa	
	Finta, 85 (Estuaries)	
	communis, 85	
	Engraulis	
	Encrasicolus, 86	
	Gadidæ.	
	Morrhua	
	callarias, 87	
	Æglefinus, 88	
	lusca, 88	
	minuta, 89	
	Merlangus	
	vulgaris, 90	
	albus, 90	
	carbonarius, 90	
	pollachius, 91	
	Merluccius	
	vulgaris, 92	
Lota	Lota	
vulgaris, 93	molva, 92	
	Motella	
	tricirrata, 93	
	cimbria, 94	
	mustela, 94	
	argenteola, 95	
	Brosmius	
	Brosme, 95	
	Phycis	
	bifurcus, 96	
	Raniceps	
	fuscus, 96	

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Pleuronectidæ.	
Platessa Flesus, 98	Platessa vulgaris, 98 Flesus, 98 Pola, 99 elongata, 99 lævis, 99 Limanda, 100 Limandoides, 101 Hippoglossus vulgaris, 101 Psetta maxima, 102 Rhombus, 102 Zeugopterus hirtus, 103 punctatus, 104 Pleuronectes megastoma, 104 Laterna, 104 Solea vulgaris, 105 Pegusa, 106 Monochir variegatus, 106 Linguatula, 107	
	Cyclopteridæ.	
	Lepadogaster rostratus, 108 Gobiesox bimaculatus, 108 Cyclopterus Lumpus, 109 Liparis vulgaris, 109 Montagui, 110	

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Murænidæ.	
Anguilla acutirostris, 111 latirostris, 111 mediorostris, 111	Conger vulgaris, 112	
	Gymnotidæ.	
	Leptocephalus Morrisii, 114 Ammodytes Tobianus, 114 alliciens, 115	
	Diodontidæ.	
		Tetraodon Pennantii, 116 Orthragoriscus Mola, 117 oblongus, 118
	Balistidæ.	
		Balistes Capriscus, 118
	Acipenseridæ.	
Acipenser Sturio, 121 (Anadromous) latirostris, 121 (Anadromous)	Acipenser Sturio, (Anadromous), 121 latirostris, 121 (Anadromous)	
	Chimæridæ.	
		Chimæra monstrosa, 122
	Scylliadæ.	
	Scyllium Canicula, 123 catulus, 124	Pristidurus melanostomus, 124

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Squalidæ.	
	Squalus glaucus, 125	Squalus Carcharias, 125
	Galeus Canis, 126	Sphyrnias Zygæna, 126
	Mustelus vulgaris, 127	Hexanchus griseus, 130
	Isurus Cornubicus, 128	Dalachias microcephalus, 132
	Cetorhinus maximus, 129	Echinorhinus spinosus, 132
	Alopias Vulpes, 130	
	Acanthias vulgaris, 131	
	Squatinidæ.	
	Squatina vulgaris, 133	
	Pristididæ.	
		Pristis antiquorum, 134
	Rajidæ.	
	Raja radula, 136	Torpedo marmorata, 135
	clavata, 136	nobiliana, 135
	radiata, 137	Cephaloptera Giorna, 141
	Batis, 137	Myliobatis aquila, 141
	marginata, 138	
	fullonica, 138	
	oxyrhynchus, 138	
	microcellata, 139	
	intermedia, 139	
	Lintea, 140	
	acus, 140	
	Trygon Pastinaca, 142	

FRESH-WATER.	MARINE.	MARINE, OCCASIONAL VISITORS
	Petromyzonidæ.	
Lampetra fluviatilis, 144 Planeri, 144 Ammocœtes branchialis, 145	Petromyzon marinus, 143	
	Myxinidæ.	
	Myxine glutinosa, 145	
	Amphioxidæ.	
	Branchiostoma lanceolatum, 146	

Species apparently introduced by Mistake.

Trachinidæ.
Sphyræna Spet, 14

Labridæ.
Labrus suillus. (Hog Wrasse, *Couch*)

Mugilidæ.
Mugil cephalus verus?

Siluridæ.
Silurus Glanis, 73
Lepisosteus osseus, 86

Murænidæ.
? Conger Myrus, 112
Ophisurus ophis, 112
? Serpens, 113
Murænophis Helena, 113

Acipenseridæ.
Acipenser Huso, 121

CATALOGUE

OF

BRITISH FISH.

Class PISCES.

Subclass I. PISCES OSSEI.

Poissons osseux, *Lacép. Dum. Zool. Anal.* 99, 1806.
Poissons proprement dits, *Cuv. R. A.* ii. 128.
Fish properly so called, *Rich. Fauna Bor.-Amer.* p. xii.
Osseous Fishes, *Flem. B. A.* 174.
Pisces Ossei, *Parn. Wern. Mem.* vii. 167.
Teleostei, *Müll. Wiegm. Arch.* 135, 1845.

Order I. ACANTHOPTERYGIA.

Acanthopterygii, *Artedi, Gen. Pisc.* 26, 1738. *Parn. Fish. Firth of Forth*, 7, 1838.
Acanthopterygiens, *Cuv. R. A.* ii. 131, 1829.
Acanthopterygia, *Latr. Fam. R. A.* 128. *Gray, Syn. Brit. Mus.* 148, 1842.
Holobranches, p., *Dum. Zool. Anal.* 97, 1806.
Acanthopteryge, *Swains. Lardn. Cab. Cycl.* ii. 167, 197, 1839.
Acanthopterygious Fishes, *Flem. B. A.* 174, 202.
Ctenoides, p., *Agassiz, Poiss. Foss.* iv.
Acanthopteri, p., *Müll. Wiegm. Arch.* 135, 1845.

Suborder I. DACTYLOPHORI.

Acanthopterygious Fish with the lower rays of the pectoral fin not branched, *Gray*, *Syn. B. M.* 1842, 136.

Fam. I. TRIGLIDÆ.

Decapterygii Thoracici, p., *Bloch*, *Schneid. Syst.* 24.
Octopterygii Thoracici, p., *Bloch*, *Schneid. Syst.* 27.
Joues cuirassées, p., *Cuv. R. A.* ii. 159, 1829.
Canthileptes, *Swains. Lardn. Cab. Cycl. Fishes*, ii. 179.
Armigenæ, *Latr. Fam. R. A.* 138.
Dactylés, p., *Dum. Zool. Anal.* 131, 1806.
Dactipli, *Raf. Indice*, 28.
Loricati, p., *Jen. Man.* 308.
Triglidæ Triglini, *Bonap. Saggio*, 1831.
Cottoideæ, p., *Rich. Fauna Bor.-Amer.* 36.
Pareioplonidæ or Pareiopliteæ, *Rich. Fauna Bor.-Amer.* 36, (note).
Triglidæ, *Gray*, *Syn. Brit. Mus.* 148, 1842.
Scleroparei, p., *Troschel*, *Wiegm. Arch.* 233, 1844.
Cataphracti, *Müll. Wiegm. Arch.* 135, 1845.

1. TRIGLA.

Trigla, *Lacép. Poiss.*
Trigla, p., *Linn. Syst. Nat.* *Cuv. R. A.* ii. 159.

1. Trigla cuculus. Cuckoo Gurnard. B. M.

Trigla cuculus, *Linn. Syst. Nat.* i. 497, (not Bloch). *Cuv. & Val.* iv. 26. *Bonap. Icon. Fauna Ital.* iii. 58, t. f. 1. *Parn. Fish. Firth of Forth*, 14, t. 18. *Wern. Mem.* vii. 174.
Trigla Pini, *Bloch*, *Ichth.* pl. 355. *Bloch*, *Schneid. Ichth.* 14. *Jen. Man.* 338.
T. lineata, *Mont. Wern. Mem.* ii. 460. *Flem. Brit. An.* 215.
Cuckoo Gurnard, *Yarr. Brit. Fish.* 2 ed. i. 38.
Trigla hirundo, *Risso*, *Hist. Nat.* iii. 397, (nec auct).
Pine-leaved Gurnard, *Shaw*, *Nat. Misc.* xxii. pl. 954.
Red Gurnard, *Yarr. Brit. Fish.* i. 34.
Soldier, Cuckoo, Red Ellick, Gaverick. *Cornwall.*
Red Crooner. *Local name.*

Hab.—Coast.
Skins. English Coast and Firth of Forth.

2. TRIGLA LINEATA. Streaked Gurnard. B. M.

Trigla lineata, *Walb. Artedi*, iii. 373. *Gmel. Syst. Nat* i. pt. 3, 1345. *Bloch, Ichth.* pl. 354. *Bloch, Schneid. Syst. Ichth.* 13. *Don. Brit. Fish.* i. pl. 4. *Turton, Brit. Fauna*, 102. *Cuv. & Val. Poiss.* iv. 34. *Jen. Man.* 339. *Bonap. Fauna Ital.* iii. 58*, t. f. 2. *Yarr. Brit. Fish.* i. 46. *Id.* 2 ed. i. 45. *Parn. Fish. Firth of Forth*, 15, t. 19.
T. Adriatica, *Gmel. Syst. Nat* i. 1346. *Flem. Brit. An.* 215.
T. lastoviza, *Lacép. Poiss.* iii. 349.
Mullus imberbis, *Will. Syst. Pisc.* 278, tab. S. 1, f. 1.
Cuculus lineatus, *Ray, Syn. Pisc.* 165, f. 11.
Streaked Gurnard, *Penn. Brit. Zool.* iii. 246, n. 141, pl. 57, (lower fig.) *Id.* (edit. 1812), iii. 377, pl. 66.
French Gurnard. *Local name.*
Rock Gurnard. *Firth of Forth.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R. N.

3. TRIGLA HIRUNDO. Sapphirine Gurnard. B. M.

Trigla Hirundo, *Bloch, Ichth.* pl. 60. *Bloch, Schneid. Syst. Ichth.* 15. *Lacép. Poiss.* iii. 353. *Don. Brit. Fish.* i. pl. 1. *Flem. Brit. Anim.* 214. *Turton, Brit. Fauna*, 102. *Cuv. & Val. Poiss.* iv. 40. *Parn. Fish. Firth of Forth*, 16, t. 20. *Jen. Man.* 340. *Yarr. Brit. Fish.* i. 41. *Id.* 2 ed. i. 47.
T. lævis, *Mont. Wern. Mem.* ii. 455. *Flem. Brit. An.* 214. *Swains. Lardn. Cab. Cycl. Fishes*, ii. 420.
Tub-Fish, (Cornwall) *Will. Hist. Pisc.* 280, tab. P. 4.
Sapphirine Gurnard, *Penn. Brit. Zool.* iii. 245, n. 140, pl. 56, edit. 1812, iii. p. 376, pl. 68.
Red Tubs. *Cornwall.*
Smooth-side. *Local name.*

HAB.—Coast.
Skin. Devon. Presented by Lieut. H. F. Spence, R. N.

4. TRIGLA PŒCILOPTERA. Little Gurnard.

Trigla pœciloptera, *Cuv. & Val. Poiss.* iv. 47. *Yarr. Brit. Fish.* 2 ed. 49.
The Little Gurnard, *Thomp. Proc. Zool. Soc.* 61, 1837.

HAB.—Coast.

5. Trigla Lyra. Piper.

Trigla Lyra, *Linn. Syst. Nat.* i. 496. *Bloch, Ichth.* pl. 350. *Bloch, Schneid. Syst. Ichth.* 14. *Lacép. Poiss.* iii. 345. *Don. Brit. Fish.* v. pl. 118. *Turton, Brit. Fauna*, 102. *Flem. Brit. An.* 215. *Cuv. & Val.* iv. 55. *Jen. Man.* 341. *Yarr. Brit. Fish.* i. 44. *Id.* 2 ed. i. 51. *Bonap. Icon. Fauna Ital.* iii. 52, t. f. 2. *Parn. Fish. Firth of Forth*, 17, t. 21.
Piper, *Will. Hist. Pisc.* 282, tab. S. 1, f. 4. *Penn. Brit. Zool.* iii. 244, n. 139, pl. 55. *Id.* (edit. 1812), iii. 374, pl. 67.

Hab.—Coast.

6. Trigla Gurnardus. Grey Gurnard. B. M.

Trigla Gurnardus, *Linn. Syst. Nat.* i. 497. *Bloch, Ichth.* 58. *Bloch, Schneid. Syst.* 14. *Lacép. Poiss.* iii. 358. *Don. Brit. Fish.* ii. pl. 30. *Turton, Brit. Fauna*, 102. *Flem. Brit. An.* 215. *Cuv. & Val. Poiss.* iv. 62. *Bonap. Icon. Fauna Ital.* iii. 102, t. f. 1. *Jen. Man.* 342. *Parn. Fish. Firth of Forth*, 18, t. 22. *Wern. Mem.* vii. 178. *Yarr. Brit. Fish.* i. 48. *Id.* 2 ed. i. 53.
Grey Gurnard, *Will. Hist. Pisc.* 279, tab. S. 2, f. 1. *Penn. Brit. Zool.* iii. 242, pl. 54. *Id.* (edit. 1812), iii. 371, pl. 65.
Crooner. *Scotland.*
Knoud, Nowd. *Ireland.*

Hab.—Coast.
Skins. English Coast and Firth of Forth. Presented by Dr. Parnell.

7. Trigla Blochii. Red Gurnard.

Trigla cuculus, *Bloch, Ichth.* pl. 59, (nec L.) *Bloch, Schneid. Syst.* 14. *Mont. Wern. Mem.* ii. 467. *Flem. Brit. An.* 215. *Cuv. & Val. Poiss.* iv. 67. *Jen. Man.* 343.
Trigla hirundo, *Brunn.* (nec L.)
Trigla grunniens, *Lacép. Poiss* iii. 359.
Trigla milvus, *Bonap. Icon. Fauna Ital.* iii. 52, t. f. 3?
Trigla rodinogaster, *Nardo, Prod. Ichth. Adriat.* sp. 77.
Trigla Blochii, *Yarr. Brit. Fish.* i. 50. *Id.* 2 ed. i. 56. *Parn. Fish. Firth of Forth*, 21, t. 23. *Wern. Mem.* vii. 181.
Trigla gurnardus (young), *Parn. Wern. Mem.* vii. 182.

Red Gurnard, *Penn. Brit. Zool.* iii. 243, n. 138, pl. 57. *Id.* (edit. 1812), iii. 373, pl. 66.
Rotchet. *Local name.*

HAB.—Coast.

8. TRIGLA LUCERNA. Long-finned Captain.

Cuculus, *Rondelet. Lat. Edit.* 287.
Rouget, *Rondelet. Fr. Edit.* 227.
Trigla obscura, *Linn. Mus. Ad. Fred.* ii. 94. *Bonap. Icon. Fauna Ital.* iii. 102, t. f. 1.
Trigla lucerna, *Brunnich, Ichth. Massil.* 76* *Risso, Ichth.* 209.
Trigla milvus, *Lacép. Poiss.* iii. 362.
Trigla filaris, *Otto, Consp.* 7.
Trigla lucerna, *Cuv. & Val. Poiss.* iv. 72. *Parn. Mag. Zool. and Bot.* i. p. 526. *Yarr. Brit. Fish.* 2 ed. i. 63. *Parn. Fish. Firth of Forth*, 23, t. 24.

HAB.—Coast.

2. PERISTEDION.

Peristedion, *Lacép. Poiss.* iii. 368, 1802. *Cuv. R. A.* 161.
Trigla, p., *Linn.*

1. PERISTEDION CATAPHRACTUM. Mailed Gurnard.

Malarmat, *Belon.* 209. *Cuv. R. A.* ii. 161.
Cornutus, sive Lyra altera, *Rondelet. Lat. Edit.* 299.
Forchato, Malarmat, *Rondelet. Fr. Edit.* 237.
Lyra altera, *Willoughby*, 283, tab. S. 3.
Trigla Hispanorum Chabrontera, *Osbeck, Nov. Act. Nat. Cur.* iv. 201.
Trigla hamata, *Bloch, Schneid. Syst. Ichth.* 16.
Trigla cataphracta, Malarmat, *Brunnich*, 72.
Malarmat, *Duhamel*, iii. *Sect.* 5, p. 113, pl. 9, f. 2.
Trigla cataphracta, *Bloch, Ichth.* x. pl. 349. *Bloch, Schneid. Syst. Ichth.* 16.
Peristedion malarmat, *Lacép. Poiss.* iii. 369. *Cuv. & Val. Poiss.* iv. 101.
Mailed Gurnard, *Moore, Mag. Nat. Hist.* i. *N. S.* 17. *Yarr. Brit. Fish.* 2 ed. i. 67.

HAB.—Mediterranean and British Coast.

Fam. II. COTTIDÆ.

Cottidæ, *Gray*, *Syn. Brit. Mus.* 148, 1842.
Joues cuirassées, p., *Cuv. R. A.* ii.
Cephalotes, *Dum. Zool. Anal.* 131.
Triglidæ Cottini, *Bonap. Saggio*, 1831.
Cottoideæ, p., *Rich. Fauna Bor.-Amer.* 36.
Cottus, *Linn. Cuv. R. A.* ii. 162.

1. COTTUS.

Cottus, *Linn. S. N. Cuv. R. A.* ii. 162.
Myoxocephalus, p., *Tilesius*, *Mem. Acad. Petersb.* iv.

1. Cottus Gobio. River Bull-head. B. M.

Cottus Gobio, *Linn. Syst. Nat.* i. 452. *Bloch*, *Ichth.* pl. 39, f. 2. *Lacép. Poiss.* iii. 252. *Don. Brit. Fish.* iv. pl. 80. *Flem. Brit. An.* 216. *Turton*, *Brit. Fauna*, 94. *Cuv. & Val. Poiss.* iv. 145. *Jen. Man.* 343. *Wright*, *Fries & Eckstr. Skand. Fisk.* 34, t. 7, f. 2. *Yarr. Brit. Fish.* i. 56. *Id.* 2 ed. i. 71.
Bull-head or Miller's Thumb, *Will. Hist. Pisc.* 137, tab. H. 3, f. 3.
River Bull-head, *Penn. Brit. Zool.* iii. 189, n. 97, pl. 39. *Id.* (edit. 1812), iii. 291, pl. 43.
Tommy Logge. *Local name.*

Hab.—Fresh water.
In spirits. Devon and neighbourhood of London. Presented by W. Yarrell, Esq.

2. Cottus Scorpius. Sea-Scorpion. B. M.

Cottus Scorpius, *Bloch*, *Ichth.* pl. 40. *Bloch*, *Schneid. Syst. Ichth.* 61. *Lacép. Poiss.* iii. 236. *Don. Brit. Fish.* ii. pl. 35. *Flem. Brit. An.* 216. *Turton*, *Brit. Fauna*, 95. *Cuv. & Val. Poiss.* iv. 160. *Wright*, *Fries & Ekstr. Skand. Fisk.* 23, t. 5, f. 1, 2. *Jen. Man.* 344. *Parn. Fish. Firth of Forth*, 23. *Wern. Mem.* vii. 183.
Sea-Scorpion, *Yarr. Brit. Fish.* i. 60. *Id.* 2 ed. i. 75.
Sea Bull-head. *Scotland.*
Short-spined Cottus, *Parnell.*

Hab.—Coast.
Skins and in spirits. Devon, &c. Presented by Lieut. H. F. Spence, R. N., and W. Yarrell, Esq., Firth of Forth.

3. Cottus Bubalis. Four-spined Father-lasher. B. M.

Cottus Bubalis, *Euphr. Act. Acad. Stockh.* vii. 64, t. 3, f. 2, 3, 1786. *Bloch, Schneid. Syst. Ichth.* 62. *Cuv. & Val. Poiss.* iv. 165, pl. 78. *Cuv. R. A.* ii. 163. *Yarr. in Zool. Journ.* iv. 470, *Wright, Fries. & Ekstr. Skand. Fisk.* 27, t. 6, f. 1, 2. *Jen. Man.* 345. *Yarr. Brit. Fish.* i. 63. *Id.* 2 ed. i. 78. *Parn. Fish. Firth of Forth.* 25.
Father-lasher, *Will. Hist. Pic.* 138, tab. H. 4, f. 3. *Penn. Brit. Zool.* iii. 191, pl. 40. *Id.* (edit. 1812), iii. 294.
Oblong Bull-head, *Analyst.*
Long-spined Cottus, *Parnell.*
Lucky Roach. *Scotland.*

Hab.—Coast.
Skins and in spirits. Devon, Berwick-upon-Tweed, &c. Presented by Lieut. H. F. Spence, R. N., F. W. L. Ross, Esq. and Dr. G. Johnston.

4. Cottus quadricornis. Four-horned Father-lasher. B. M.

Cottus quadricornis, *Linn. Syst. Nat.* i. 451. *Pallas, Spic. Zool.* viii. 25. *Bloch, Ichth.* pl. 108. *Bloch, Schneid. Syst. Ichth.* 62. *Lacép. Poiss.* iii. 241. *Cuv. & Val. Poiss.* iv. 168. *Cuv. R. A.* ii. 163. *Jen. Man.* 345. *Wright, Fries & Ekstr. Skand. Fisk.* 30, t. 7, f. 1.
Four-horned Cottus, *Yarr. Brit. Fish.* i. 168. *Id.* 2 ed. i. 83.

Hab.—English Channel, Mouth of Thames.
In Spirits. London Market, with sprats. Presented by J. E. Gray, Esq.

2. AGONUS.

Agonus, *Bloch, Schneid. Syst. Ichth.* i. 104, 1801.
Aspidophorus, *Lacép. Poiss.* iii. 221, 1802. *Cuv. R. A.* ii. 163.
Cottus, p., *Linn. Syst. Nat.*
Phalangista, *Pallas, Zoogr. Ross.* iii. 1811.
Cataphractus, *Flem. Brit. An.* 216, 1828.

1. Agonus cataphractus. Armed Bull-head. B. M.

Cottus cataphractus, *Linn. Syst. Nat.* i. 451. *Bloch, Ichth.* pl. 39, f. 1. *Don. Brit. Fish.* i. pl. 16. *Turton, Brit. Fauna*, 95.
Agonus cataphractus, *Bloch, Schneid. Syst. Ichth.* 104. *Nils. Syn.* 95.

Cataphractus Schoneveldii, *Flem. Brit. An.* 216.
Aspidophorus armatus, *Lacép. Poiss.* iii. 222.
Aspidophorus europæus, *Cuv. & Val. Poiss.* iv. 201. *Yarr. Brit. Fish.* 2 ed. i. 85. *Parn. Fish. Firth of Forth*, 28. *Wern. Mem.* vii. 188.
Cottus (Asp.) Europæus, *Rich. Fauna Bor.-Amer.* 48.
Aspidophorus cataphractus, *Jen. Man.* 346. *Ekstr. in Wright, Skand. Fisk.* 167, t. 40.
Pogge, *Will. Hist. Pisc.* 211, tab. N. 6, f. 2 & 3.
Armed Bull-head, *Penn. Brit. Zool.* iii. 190, pl. 39. *Id.* (edit. 1812), iii. 293, pl. 43. *Yarr. Brit. Fish.* i. 70.
Aspidofory, *Analyst.*
Shell-backed Bull-head. *Local name.*
Armed Bull-head, Pogge, Lyrie, Sea Poacher, Pluck, Noble. *Local names.*

Hab.—Coast.
Skins and in spirits. Devon. Presented by Lieut. Spence, R. N., and from the Firth of Forth.

Fam. III. SCORPÆNIDÆ.

Scorpænidæ, *Gray, Syn. Brit. Mus.* 148, 1842.
Joues cuirassées, p., *Cuv. R. A.* ii.
Acanthopomes, p., *Dum. Zool. Anal.* 133.
Triglidæ, Scorpænini, *Bonap. Specchio Gen.* 9.

1. SEBASTES.

Sebastes, *Cuv. R. A.* ii. 166.
Perca, p., *O. Fabr. Fauna Grœnl.*
Holocentrus, p., *Lacép. Poiss.* iv. 376.
Serranus, p., *Flem. Brit. An.*
Scorpæna, p., *Jenyns.*

1. Sebastes marinus. Bergylt. B. M

Scorpæna Norvegica, *Jen. Man.* 347.
Perca marina, *Linn. Syst. Nat.*
Perca Norvegica, *O. Fabr. Fauna Grœnl.* 167.
Holocentrus Norvegicus, *Lacép.* iv. 390.
Sebastes Norvegicus, *Cuv. & Val. Poiss.* iv. 327, pl. 87. *Cuv. R. A.* ii. 166. *Yarr. Brit. Fish.* 2 ed. i. 87.
Serranus Norvegicus, *Flem. Brit. An.* 212.
Scorpæna (Sebastes) Norvegicus, *Rich. Fauna Bor.-Amer.* 52.

Sparus erythrinus, *Müll. Zool. Dan.* 45, (nec L.)
Perca marina (Sea Perch), *Penn. Brit. Zool.* iii. 226, pl. 48, (lower fig.) *Id.* (edit. 1812), iii. 349, pl. 59.
Holocentrus marinus, *Lacép. Poiss.* iv. 376?
Bergylt, Norway Haddock. *Zetland.*

HAB.—Coast.
In spirits. Newcastle. Presented by Dr. G. Johnston.

Suborder II. HOLODACTYLI.

Acanthopterygious Fish with the lower ray of the pectoral fins branched like the others, *Gray, Syn. B. M.* 136, 1842.

Fam. IV. PERCIDÆ.

Percoides, p., *Cuv. R. A.* ii. 131, 1829.
Octopterygii Thoracici, p., O. Jugulares, p., and O. Abdominales, p., *Bloch, Schneid. Syst.* 26, 27, 32.
Heptapterygii Thoracici, p., *Bloch, Schneid.* 46.
Acanthopomes, p., *Dum. Zool. Anal.* 133, 1806.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Percidi, *Rafin. Indice*, 16.
Percidæ, *Gray, Syn. Brit. Mus.* 148, 1842, p., *Jen. Man.* 306, p., *Parn. Fish. Firth of Forth*, 7, 1838.
Percoideæ, p., *Rich. Fauna Bor.-Amer.* i.
Percoideæ Cephalacæna, *Latr. Fam. R. A.* 137.
Percidæ, Percini, *Bonap. Saggio*, 1831.
Percidæ, *Bonap. Specchio Gen.* 9, 1845.

1. PERCA.

Percæ, *Cuv. R. A.* iii. 133.
Perca, p., *Linn. Syst. Nat.*

1. PERCA FLUVIATILIS. Common Perch. B. M.

Perca fluviatilis, *Linn. Syst. Nat.* i. 481. *Bloch, Ichth.* pl. 52, *Lacép. Poiss.* iv. 399. *Don. Brit. Fish.* iii. pl. 52. *Turton, Brit. Fauna*, 100. *Cuv. & Val. Poiss.* ii. 20 *Flem. Brit. An.* 213. *Bonap. Icon. Fauna Ital.* iii. 79, f. 1. *Fries & Ekstr. Skand. Fisk.* i. t. 1, f. 1. *Jen. Man.* 330. *Yarr. Brit. Fish.* i. 1. *Id.* 2 ed. i. 1. *Parn. Fish. Firth of Forth*, 8.

Var. Perca Italica, *Cuv. & Val.* ii. 45.
Perca fluvialis, *Cuv. R. A.* ii. 132, 1829.
Perch, *Will. Hist. Pisc.* 291, tab. S. 13, f. 1. *Penn. Brit. Zool.* iii. 223, pl. 48, n. 124. *Id.* (edit. 1812), iii. 345, pl. 59.
Var. Crooked Perch, *Penn. Brit. Zool.* iii. 225.

Hab.—Fresh water. Said to be occasionally found in the sea. Skins and in spirits. From the neighbourhood of London and from Loch Lomond, Lochmaben and Duddingston in Scotland.

2. LABRAX.

Labrax, *Cuv. R. A.* ii. 133, 1829.
Perca, p., *Linn. Syst. Nat.*
Sciæna, p., *Bloch.*
Centropomus, p., *Lacép. Poiss.* iv.

1. Labrax Lupus. Common Basse. B. M.

Perca Labrax, *Linn. Syst. Nat.* i. 482. *Bloch, Schneid. Syst. Ichth.* 84. *Don. Brit. Fish.* ii. pl. 43. *Turton, Brit. Fauna*, 100. *Flem. Brit. An.* 213. *Jen. Man.* 331.
Sciæna Labrax, *Bloch, Ichth.* t. 301.
Sciæna punctata, *Bloch*, t. 305 (junr.).
Sciæna diacantha, *Bloch*, t. 302.
Centropomus lineatus, *Lacép. Poiss.* iv. 271.
Centropomus Lupus, *Lacép. Poiss.* iv. 267.
Labrax Lupus, *Cuv. & Val. Poiss.* ii. 56, pl. 11. *Cuv. R. A.* ii. 133. *Yarr. Brit. Fish.* 2 ed. i. 8. *Parn. Wern. Mem.* vii. 170. *Bonap. Icon. Fauna Ital.* 79,*** f. 2.
Basse, *Will. Hist. Pisc.* 271, tab. R. 1. *Penn. Brit. Zool.* iii. 225, pl. 49. *Id.* (edit. 1812), iii. 348, pl. 60. *Yarr. Brit. Fish.* i. 6.
Sea-dace. *Kent.*

Hab.—Coast.
Skins and in spirits. From the English Coast, and from the Firths of Forth and Solway, in Scotland.

3. SERRANUS.

Serranus, *Cuv. R. A.* ii. 139.
Perca, p., *Linn. Syst. Nat.*
Lutjanus, p., *Lacép. Poiss* iv. 357.
Holocentrus, p., *Bloch, Schneid.*
Serran and Merou, *Cuv. R. A.* 139, 140.

* Serranus, *Cuv.*

1. Serranus Cabrilla. Smooth Serranus. B. M.

Perca Cabrilla, *Linn. Syst. Nat.* i. 488. *Jen. Man.* 332.
Holocentrus fasciatus, *Bloch*, t. 250?
Lutjanus serran, *Lacép. Poiss.* iv. 205.
Holocentrus virescens, *Bloch*, t. 233?
Perca Channus (Smooth Perch), *Couch in Loud. Mag. of Nat. Hist.* v. 19, f. 6.
Perca marina, p., *Brunn.*
Serranus flavus, *Risso*, *Eur. Mer.* iii. 376.
Serranus Cabrilla, *Cuv. & Val. Poiss.* ii. 223, pl. 29. *Yarr. Brit. Fish.* 2 ed. i. 11.
Smooth Serranus, *Yarr. Brit. Fish.* i. 9.

Hab.—Coast. S. of England.
In spirits. London market. Presented by Messrs. J. & C. Grove.
Skin. Presented by Lieut. H. F. Spence, R. N.

* * Merou, *Cuv.*

2. Serranus Gigas. Dusky Serranus.

Perca Gigas, *Gmel. Linn.* i. pt. iii. 1315. *Jen. Man.* 333.
Holocentrus merou, *Lacép. Poiss.* iv. 377.
Perca robusta (Dusky Perch), *Couch in Loud. Mag. of Nat. Hist.* v. 21, f. 7.
Holocentrus Gigas, *Bloch*, *Schneid. Syst. Ichth.* 322. *Rafin. Indice*, 17.
Serranus Gigas, *Cuv. & Val. Poiss.* ii. 270, pl. 33. *Yarr. Brit. Fish.* 2 ed. i. 14.
Dusky Serranus, *Yarr. Brit. Fish.* i. 15.

Hab.—Coast. (Cornwall).

4. GYMNOCEPHALUS.

Gymnocephalus, *Bloch*, *Schneid. Syst. Ichth.* 345, 1801.
Acerina, *Cuv. R. A.* ii. 144, 1829.
Cernua, *Flem. Brit. An.* 212, 1828.
Perca, p., *Linn. Syst. Nat.*
Holocentrus, p., *Lacép.* iv. 357.

1. Gymnocephalus Cernua. Ruffe.

Perca Cernua, *Linn. Syst. Nat.* i. 487. *Bloch, Ichth.* pl. 53, f. 2. *Don. Brit. Fish.* ii. pl. 39. *Turton, Brit. Fauna*, 100. *Jen. Man.* 334.
Gymnocephalus Cernua, *Bloch, Schneid. Syst. Ichth.* 345.
Aspredo, *Gesner*, 152.
Cernua fluviatilis, *Flem. Brit. An.* 212.
Holocentrus post, *Lacép. Poiss.* iv. 357.
Acerina vulgaris, *Cuv. & Val. Poiss.* iii. 4, pl. 41. *Cuv. R. A.* ii. 144. *Fries & Ekstr. Skand. Fisk.* 9, t. 1, f. 2. *Yarr. Brit. Fish.* 2 ed. i. 17.
Ruffe, *Will. Hist. Pisc.* 334, tab. X. 14, f. 2. *Penn. Brit. Zool.* iii. 227. *Id.* (edit. 1812), iii. 350. *Yarr. Brit. Fish.* i. 18.
Pope. *Local name.*

Hab.—Rivers.

5. POLYPRION.

Polyprion, *Val. Mem. du Mus.* xi. 265. *Cuv. R. A.* ii. 148.
Serranus, p., *Yarrell, Brit. Fish.* i. 12.
Scorpæna, p., *Risso, Ichth.* 184.

1. Polyprion cernium. Stone-Basse.

Serranus Couchii, *Yarr. Brit. Fish.* i. 12. *Jen. Man.* 334.
Stone-Basse, *Couch in Linn. Trans.* xiv. 81.
Polyprion cernium, *Val. Mem. du Mus.* xi. 265. *Cuv. & Val.* iii. 21, t. 42. *Cuv. R. A.* ii. 145. *Yarr. Brit. Fish.* 2 ed. i. 19.
Scorpæna Massiliensis, *Risso, Ichth.* 184, (nec Lacép.).
Wreck-fish. *Devonshire.*
Jew-fish. *English of Madeira.*
Stone Bass. *Cornwall.*

Hab.—S. Coast of England.

Fam. V. TRACHINIDÆ.

Trachinidæ, *Bonap. Specchio Gen.* 9.
Scomberidæ, p., *Gray, Syn. B. M.* 148.
Trachinedi, p., *Rafin. Indice*, 12, 1810.
Percoides, p., *Cuv. R. A.* ii.

1. TRACHINUS.

Trachinus, *Linn. Syst. Nat.* i. 435.

1. Trachinus Draco. Great Weever. B. M.

Trachinus Draco, *Linn. Syst. Nat.* i. 435. *Cuv. & Val. Poiss.* iii. 238. *Cuv. R. A.* ii. 152. *Fries & Ekstr. Skand. Fisk.* 13, t. 3, f. 1. *Jen. Man.* 335. *Yarr. Brit. Fish.* i. 20. *Id.* 2 ed. i. 24.
Trachinus lineatus, *Bloch, Schneid.* 55, t. 10.
Trachinus major, *Don. Brit. Fish.* v. pl. 107. *Flem. Brit. An.* 214.
Weever, *Will. Hist. Pisc.* 288, tab. S. 10, f. 1.
Great Weever, *Penn. Brit. Zool.* iii. 151, pl. 29, (Greater Weever). *Id.* (edit. 1812), iii. 229, pl. 33.
Sting-bull. *Local name.*
Sea-cat. *Sussex.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Devon. Presented by W. J. Cocks, Esq.

2. Trachinus Vipera. Lesser Weever. B. M.

Trachinus Vipera, *Cuv. & Val. Poiss.* iii. 254. *Cuv. R. A.* ii. 152. *Jen. Man.* 336. *Yarr. Brit. Fish.* i. 25. *Id.* 2 ed. 1, 29. *Parn. Fish. Firth of Forth*, 12. *Wern. Mem.* vii. 172.
Trachinus Draco, *Bloch, Ichth.* pl. 61. *Bloch, Schneid. Syst. Ichth.* 55. *Turton, Brit. Fauna*, 89. *Don. Brit. Fish.* i. pl. 23. *Flem. Brit. An.* 213.
Trachinus vividus, *Lacép. Poiss.* ii. 354.
Common Weever, *Penn. Brit. Zool.* iii. 149, pl. 28, n. 71. *Id.* (edit. 1812), iii. 226, pl. 32.
Lesser Weever, Sting-fish, *Parnell, l. c.* 12. Adder Pike, Black-fin, Otter Pike. *Local names.*

Hab.—Coast.
Skin. From Dr. Mantell's collection.

2. SPHYRÆNA.

Sphyræna, *Bloch, Schneid.* 109. *Cuv. R. A.* ii. 156.
Esox, p., *Linn. Syst. Nat.* i. 515.

1. Sphyræna spet. Sea-Pike.

Sphyræna vulgaris, *Cuv. & Val. Poiss.* iii. 327. *Jen. Man.* 337.
Sphyræna Spet, *Lacép. Poiss.* v. 326.
Esox Sphyræna, *Linn. Syst. Nat.* i. 515. *Bloch, Ichth.* pl. 389.
Sphyræna sphyræna, *Bloch, Schneid. Syst.* 109.
Sea-Pike, *Couch in Linn. Trans.* xiv. 84.

Hab.—Coast. (A doubtful native).

Fam. VI. MULLIDÆ.

Mullidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Bonap. Specchio*, 9.
Percoides, p., *Cuv. R. A.* ii.
Percides Mullites, *Latr. Fam. R. A.* 136.

1. MULLUS.

Mullus, *Linn. Syst. Nat.* i. 495.

1. Mullus Surmuletus. Striped Surmullet. B. M.

Mullus Surmuletus, *Linn. Syst. Nat.* i. 496. *Bloch, Ichth.* pl. 57. *Bloch, Schneid. Syst. Ichth.* 77. *Lacép. Poiss.* iii. 394. *Don. Brit. Fish.* i. pl. 12. *Flem. Brit. An.* 216. *Cuv. & Val. Poiss.* iii. 433. *Jen. Man.* 337. *Yarr. Brit. Fish.* i. 27. *Id.* 2 ed. i. 31.
Mullus Surmulletus, *Turton, Brit. Fauna*, 102.
Surmullet, *Will. Hist. Pisc.* 285, tab. S. 7, f. 1.
Striped Surmullet, *Penn. Brit. Zool.* iii. 240, pl. 53. *Id.* (edit. 1812), iii. 364, pl. 64.
Striped Red Mullet, *Yarrell.*

Hab.—South Coast.
Skin. Brixham (Devon).

2. Mullus barbatus. Red Surmullet. B. M.

Mullus barbatus, *Linn. Syst. Nat.* i. 495. *Bloch, Ichth.* pl. 348, f. 2. *Bloch, Schneid. Syst. Ichth.* 79. *Turton, Brit. Fauna*, 101. *Cuv. & Val.* iii. 442, t. 70. *Yarr. Brit. Fish.* i. 32. *Id.* 2 ed. i. 36.
Mullus, *Will. Hist. Pisc.* 285, tab. S. 7, f. 2.
Mullus ruber, *Lacép. Poiss.* iii. 385. *Shaw, Gen. Zool.* iv. 611.

Red Surmullet, *Penn. Brit. Zool.* iii. 238. *Id.* (edit. 1812), iii. 365.
Plain Red Mullet, *Yarrell.*

HAB.—Coast.
Skin. Devon.

Fam. VII. SCIÆNIDÆ.

Scienoides, *Cuv. R. A.* ii. 171, 1829.
Sciænoideæ, *Rich. Fauna Bor.-Amer.* 61.
Octopterygii, Thoracici, p. *Bloch, Schneid. Syst.* 29.
Acanthopomes, p., *Dum. Zool. Anal.* 133, 1806.
Percidi, p., *Rafin. Indice*, 16.
Chætodonidæ, p., *Swains. Lardn. Cycl. Fishes.* ii. 170.
Sciænidæ, *Jen. Man.* 309. *Gray, Syn. Brit. Mus.* 149, 1842.
Sciænini, *Bonap. Saggio, &c.*, 1831.
Sciænidæ Sciænini, *Bonap. Specchio, Gen.* 9, 1845.

1. UMBRINA.

Umbrina, *Cuv. R. A.* ii. 174.
Sciæna, p., *Linn. Syst. Nat.* i. 481.
Johnius, p., *Bloch, Schneid. Syst. Ichth.* 76.
Perca, p., *Lacép.*

1. UMBRINA CIRRHOSA. Bearded Maigre.

Sciæna cirrhosa, *Linn. Syst. Nat.* i. 481. *Bloch, Ichth.* pl. 300. *Jen. Man.* 353.
Johnius cirrhosus, *Bloch, Schneid. Syst. Ichth.* 76.
Perca umbra, *Lacép. Poiss.* iv. 414.
Umbrina vulgaris, *Cuv. & Val. Poiss.* v. 127. *Yarr. Brit. Fish.* i. 95. *Id.* 2 ed. i. 109, (cop. Faun. Ital.)
Bearded Umbrina, *Yarrell.*

HAB.—Coast. (Occasional).

2. SCIÆNA.

Sciæna, *Cuv. R. A.* ii. 172.
Sciæna, p., *Linn.*
Perca, p., *Risso, Ichth. Nice.*
Cheilodipterus, *Lacép. Poiss.* v.

1. Sciæna Aquila. Maigre. B. M.

Sciæna Aquila, *Risso, Eur. Mer.* iii. 411. *Cuv. & Val. Poiss.* v. 28, pl. 100. *Neill, in Edinb. New Phil. Journ. Apr.* 1826, 135. *Flem. Brit. An.* 213. *Jen. Man.* 352. *Parn. Fish. Firth of Forth*, 40.
Sciæna Umbra, *Lacép. Poiss.* iv. 314. *Cuv. R. A.* ii. 172.
Cheilodipterus Aquila, *Lacép. Poiss.* v. 685.
Umbra Rondeletii, *Willughby*, 299, tab. S. 19.
Perca Vanloo, *Risso, Ichth. Nice*, 298, t. 9, f. 30.
The Maigre, *Yarr. Brit. Fish.* i. 90. *Id.* 2 ed. i. 104.

Hab.—Coast.
Skin. Brixham (Devon).

Fam. VIII. SPARIDÆ.

Sparoides, *Cuv. R. A.* ii. 180, 1829.
Sparoideæ, *Rich. Fauna Bor.-Amer.* 70.
Heptapterygii, Thoracici, p., *Bloch, Schneid. Syst.* 42.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Sparidi, *Rafin. Indice*, 20.
Chætodonidæ, p., *Swains. Lardn. Cycl. Fish.* ii. 170.
Sparidæ, *Gray, Syn. Brit. Mus.* 149, 1842. *Jen. Man.* 309.
Sparidæ Sparini, S. Cantharini, *Bonap. Saggio, &c.*, 1831.
Sparidæ Cantharini, S. Denticini, S. Sparini, *Bonap. Specchio, Gen.* 9, 1845.

1. CANTHARUS.

Cantharus, *Cuv. R. A.* ii. 185.
Sparus, p., *Linn. Syst. Nat.*
Pagrus, p., *Flem.*

1. Cantharus lineatus. Black Sea Bream. B. M.

Cantharus griseus, *Cuv. & Val. Poiss.* vi. 333. *Jen. Man.* 358. *Yarr. Brit. Fish.* i. 114. *Id.* 2 ed. i. 130.
Sparus lineatus, *Mont. Wern. Mem.* ii. 451, pl. 23, 1815.
Pagrus lineatus, *Flem. Brit. An.* 211.
Black Bream, *Yarrell.*
Sparus Vetula, *Couch, Linn. Trans.* xiv. 79.
Old Wife. *Local name.*

Hab.—Coast.
Skin. Devon. Presented by Lieut. H. F. Spence, R. N.
Skin. Firth of Forth. Presented by Dr. Parnell.

2. CHRYSOPHRYS.

Chrysophris, *Cuv. R. A.* ii. 181, 1829.
Chrysophrys, *Cuv. & Val. Poiss.* vi. 81.
Sparus, p., *Linn. Syst. Nat.*

1. CHRYSOPHRYS AURATA. Gilt-head. B. M.

Sparus aurata, *Linn. Syst. Nat.* i. 467. *Bloch, Ichth.* pl. 266. *Lacép. Poiss.* iv. 57. *Turton, Brit. Fauna*, 97. *Flem. Brit. An.* 211. *Jen. Man.* 353.
Sparus scriptus, *Bloch, Schneid.* 279.
Chrysophrys aurata, *Cuv. & Val. Poiss.* vi. 85, pl. 145. *Yarr. Brit. Fish.* i. 97. *Id.* 2 ed. i. 111.
Chrysophris aurata, *Cuv. R. A.* ii. 182.
Aurata Rondeletii, Gilt-head, *Will. Hist. Pisc.* 307, tab. V. 5.
Lunulated Gilt-head, *Penn. Brit. Zool.* iii. 210, but not pl. 42. *Id.* (edit. 1812), iii. 327, but not pl. 46.

HAB.—Coast.
Skin. Polperro, Cornwall. Jonathan Couch, Esq.

3. PAGRUS.

Pagrus, *Cuv. R. A.* ii. 182.
Sparus, p. *Linn. Syst. Nat.*
Aurata, sp., *Risso, Eur. Mer.* iii.

1. PAGRUS VULGARIS. Braize or Becker. B. M.

Sparus Pagrus, *Linn. Syst. Nat.* i. 469. *Jen. Man.* 354.
Sparus argenteus, *Bloch, Schneid. Syst. Ichth.* 271.
Pagrus vulgaris, *Cuv. & Val. Poiss.* vi. 104, pl. 148. *Yarr. Brit. Fish.* i. 102. *Id.* 2 ed. i. 116.
Le Pagre de la Mediterranée, *Cuv. R. A.* ii. 182.
Becker, *Couch in Linn. Trans.* xiv. 79.
Braize or Becker, *Yarrell.*
Pandora, King of the Bream. *Local names.*

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Firth of Forth. Presented by Dr. Parnell.

2. PAGRUS ORPHUS. Couch's Sea Bream. B. M.

Pagrus orphus, *Cuv. & Val.* vi. 150, t. 149.
Aurata orphus, *Risso, Eur. Mer.* iii. 356.

Pagellus Rondeletii, *Jon. Couch*, *Zool.* 1846, p. 1406.
Couch's Sea Bream, *Jon. Couch*, *Zool.* 1843, p. 81, fig.

HAB.—Coast.
Skin. Cornwall, near Polperro. Presented by Jon. Couch, Esq.

4. PAGELLUS.

Pagellus, *Cuv. R. A.* ii. 183.
Sparus, p., *Linn.*
Pagrus, p., *Fleming.*

1. PAGELLUS ERYTHRINUS. Spanish Sea Bream. B. M.

Sparus erythrinus, *Linn. Syst. Nat.* i. 469. *Bloch*, *Ichth.* pl. 274? *Shaw*, *Nat. Misc.* xx. pl. 834. *Jen. Man.* 355.
Sparus pagel, *Lacép. Poiss.* iii. 86.
Pagellus erythrinus, *Cuv. & Val. Poiss.* vi. 170, pl. 150. *Parn. Fish. Firth of Forth.* 43, t. 27. *Wern. Mem.* vii. 203. *Yarr. Brit. Fish.* i. 104. *Id.* 2 ed. i. 120, (cop. Cuv. & Val.)
Erythrinus Rondeletii, *Will. Hist. Pisc.* 311, tab. V. 6.
Spanish Bream, *Couch in Loud. Mag. of Mat. Hist.* v. 17.

HAB.—Coast.
Skin. Presented by Mr. Edward Gerrard.

2. PAGELLUS CENTRODONTUS. Common Sea Bream. B. M.

Sparus centrodontus, *De Laroche*, *Ann. du Mus.* xiii. 345, pl. 23. f. 2. *Jen. Man.* 356.
Sparus Pagrus, *Walb. Artedi*, iii. 273. *Bloch*, *Ichth.* pl. 267. *Turton*, *Brit. Fauna*, 98. *Lacép. Poiss.* iii. 87.
Sparus Aurata, *Don. Brit. Fish.* iv. pl. 89, (nec Linn.)
Sparus massiliensis, *Risso*, *Ichth. Nice*, 247.
Pagellus centrodontus, *Cuv. & Val. Poiss.* vi. 180. *Parn. Fish. Firth of Forth*, 46, t. 27. *Wern. Mem.* vii. 206. *Yarr. Brit. Fish.* i. 107. *Id.* 2 ed. i. 123.
Pagrus vulgaris, *Flem. Brit. An.* 211.
Sea Bream, *Will. Hist. Pisc.* 312, tab. V. i. f. 5.
Red Gilt-head, *Penn. Brit. Zool.* iii. 212.
Lunulated Gilt-head, *Penn. Brit. Zool.* iii. pl. 42.
Le Rousseau, *Cuv. R. A.* ii. 183.
Var. Pagellus curtus, Short Sea Bream, *Couch*, *Zool.* 1843, p. 394, fig.

Chad, *Cornwall*, (young). Boger, *Cornwall*, (half-grown).

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. Cornwall. Jonathan Couch, Esq.
Firth of Forth.

3. PAGELLUS ACARNE. Axillary Sea Bream. B. M.

Acarnane, *Rondelet*, *Lat. Edit.* 1554, 151.
Acarne, *Rondelet*, *Fr. Edit.* 1558, 134.
Pagrus acarne, *Cuv. R. A.* 183.
Pagellus acarne, *Cuv. & Val. Hist. des Poiss.* vi. 191. *Parn. Fish. Firth of Forth*, 24, t. 27. *Wern. Mem.* vii. 204. *Yarr. Brit. Fish.* 2 ed. i. 122*.
Sparus Berda, *Risso*, *Ichth. Nice*, 252, (nec Forsk).
Axillary Bream, *Parn. Wern. Mem.* viii. 204.

HAB.—Coast.
Skin. Firth of Forth. From Dr. Parnell's collection.

5. DENTEX.

Dentex, *Cuv. R. A.* ii. 184.
Sparus, p., *Linn.*
Cichla, p., *Bloch*, *Schneid. Syst. Ichth.*

1. DENTEX JOHNSONI. Toothed Gilt-head.

Dentex vulgaris, *Cuv. & Val. Poiss.* vi. 220, pl. 153. *Flem. Brit. An.* 212. *Jen. Man.* 357. *Yarr. Brit. Fish.* i. 111. *Id.* 2 ed. i. 127.
Sparus Dentex, *Bloch*, *Ichth.* pl. 268, (an L.?) *Don. Brit. Fish.* iv. pl. 73. *Lacép. Poiss.* iv. 121. *Turton*, *Brit. Fauna*, 98.
Cichla Dentex, *Bloch*, *Schneid.* 337.
Sparus Johnsoni, *Walb. Artedi*, iv. 302, 1792.
Dentex Belonii, *Will. Hist. Pisc.* 312, tab. V. 3.
Sparus Cetti, *Risso*, *Ichth. Nice*, 256.
Dentex Cetti, *Risso*, *Eur. Mer.* iii. 256.
Toothed Gilt-head, *Brit. Zool.* (edit. 1812), iii. 331, (but not pl. 54, which is Brama Raii).
Four-toothed Sparus, *Yarrell.*

HAB.—Coast, (occasional).

6. BOOPS.

Boops, *Cuv. R. A.* ii. 70, edit. 1817, ii. 185, edit. 1829. *Gray, Syn. Brit. Mus.* 1842, 149.
Box, *Cuv. & Val. Poiss.* vi. 346, 1830.
Sparus, p., *Linn.*

1. Boops boops.

Sparus boops, *Linn. Syst. Nat.* i. 469.
Box vulgaris, *Cuv. & Val. Poiss.* vi. 348, t. 161. *Yarr. Zool.* 1843, 85.

Cornwall (St. Mawes).

Fam. IX. LABRIDÆ.

Labroides, *Cuv. R. A.* ii. 254.
Labroideæ, *Rich. Fauna Bor.-Amer.* 106.
Heptapterygii, Thoracici, p., *Bloch, Schneid. Syst.* 40.
Leiopomes, p., *Dum. Zool. Anal.* 127, 1806.
Sparidi, p., *Rafin, Indice*, 20, 1810.
Chætodonidæ, p., *Swains. Lardn. Cycl.* ii. 170.
Labridæ, *Jen. Man.* 314. *Gray, Syn. Brit. Mus.* 1842, 149.
Labridæ Labrini, *Bonap. Saggio, &c.*, 1831.
Labridæ Labrini, L. Scarini, *Bonap. Specchio Gen.* 9, 1845.

1. LABRUS.

Labrus, *Linn.*
Grammistes, p., *Bloch, Schneid.*
Sparus, p., *Shaw.*

1. Labrus bergylta. Ballan Wrasse. B. M.

Labrus bergylta, *Ascanius, Icon.* t. 1. *Cuv. & Val.* xiii. 20. *Yarr. Brit. Fish.* i. 311.
Labrus maculatus, *Bloch, Ichth.* pl. 294. *Fries & Ekstr. Skand. Fisk.* ii. t. 2. *Jen. Man.* 391. *Parn. Wern. Mem.* vii. 256.
Labrus aper, *Retz. Fauna Suec.* 335.
Labrus Ballan, *Walb. Artedi*, iii. 259. *Bloch, Schneid. Syst. Ichth.* 252. *Lacép. Poiss.* iii. 513.
Labrus Tinca, *Shaw, Nat. Misc.* xi. pl. 426. *Shaw, Gen. Zool.* iv. 499, pl. 72. *Don. Brit. Fish.* iv. 83.
Labrus Neustriæ, *Lacép. Poiss.* iii. 522.

Labrus tancoïdes, *Lacép. Poiss.* iii. 501.
Labrus ballanus, *Shaw, Gen. Zool.* iv. 398.
Labrus Balanus, *Flem. Brit. An.* 209.
Labrus berg-galt, *Müll. Zool. Dan. Prodr.* 46.
Ballan Wrasse, *Penn. Brit. Zool.* iii. 216, n. 116, pl. 44. *Id.* (edit. 1812), iii. 334, pl. 55. *Yarr. Brit. Fish.* i. 275. *Id.* 2 ed. i. 311.
La Vieille tachetée, *Cuv. R. A.* ii. 255.
Ancient Wrasse, *Donovan.*
Old Wife. *Local name.*
Young.
Labrus Donovani, *Cuv. & Val.* xiii. 39. *Yarr. Brit. Fish.* i. 315.
Labrus lineatus (Streaked Wrasse), *Don. Brit. Fish.* iv. pl. 74, 1805. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209. *Jen. Man.* 392.
Labrus Psittacus, *Risso, Eur. Merid.* iii. 304?
Green-streaked Wrasse, *Yarr. Brit. Fish.* i. 279. *Id.* 2 ed. i. 315.
Green fish. *Cornwall.*

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence.
Firth of Forth.

2. Labrus mixtus. Striped and Red Wrasse. B. M.

Labrus mixtus, *Sundev. in Wright Skand. Fisk.* 160, t. 37, ♂, t. 38, ♀.
Labrus variegatus, *Gmel. Syst. Nat.* i. pt. iii. 1294. *Lacép. Poiss.* 508. *Don. Brit. Fish.* i. pl. 21 *Turton, Brit. Fauna*, 99. *Jen. Man.* 394.
Labrus mixtus, *Linn. Syst. Nat.* i. 479, ♂. *Cuv. & Val.* xiii. 43. *Yarr. Brit. Fish.* i. 317.
Labrus coquus, *Walb. Artedi*, iii. 260. *Penn. Brit. Zool.* iii. 340. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209.
Labrus cæruleus, *Ascan. Icon.* 12, ♂.
Turdus perbelle pictus, *Will. Hist. Pisc.* 322, tab. X. 3.
Labrus vittatus, *Walb. Artedi*, iii. 256.
Labrus vetula, *Bloch, Ichth.* 293.
Grammistes variegatus, *Bloch, Schneid. Syst. Ichth.* 190.
Sparus formosus, *Shaw, Nat. Misc.* i. 31, (cop. Ascan.).
Labrus dispar, *Fries, on plate* 37 & 38, *Wright, Skand. Fisk.* ♂, ♀.
Labrus pavo, *Risso, Hist.* iii. 299.
Striped Wrasse, *Penn. Brit. Zool.* iii. 218, pl. 45. *Id.* (edit. 1812), iii. 337, pl. 57.

Blue-striped Wrasse, *Yarr. Brit. Fish.* i. 281. *Id.* 2 ed. i. 317.
La Vieille rayée, *Cuv. R. A.* ii. 255.
Female.
Labrus trimaculatus, *Gmel. Syst. Nat.* i. pt., iii. 1294, ♀. *Lacép. Poiss.* iii. 488. *Shaw, Nat. Misc.* xix. pl. 786. *Don. Brit. Fish.* iii. pl. 49. *Turton, Brit. Fauna*, 99. *Jen. Man.* 396. *Yarr. Brit. Fish.* i. 286. *Id.* 2 ed. i. 320, (cop. Donovan.)
Labrus exoletus, ♀, *Retz, Fauna Suec.*
Labrus carneus, *Ascan. Icon.* 13, ♀. *Bloch, Ichth.* pl. 289. *Parn. Wern. Mem.* vii. 258.
Labrus rostratus, *Ström, Trondhj. Selsk. n. Skr.* i. 145.
Trimaculated Wrasse, *Penn. Brit. Zool.* iii. 218, n. 118, pl. 46, edit. 1812, iii. 336, pl. 56.
Red Wrasse, *Yarrell.*
Labrus luvarus, *Rafin. Caratt.* 38, sp. 101.
La Vieille couleur de chair, *Cuv. R. A.* ii. 256.
Var. Labrus bimaculatus, *Linn. Syst. Nat.* i. 477. *Turton, Brit. Fauna*, 99. *Jen. Man.* 396.
Bimaculated Wrasse, *Penn. Brit. Zool.* iii. 247. *Id.* (edit. 1812), iii. 335.

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Skin. Swansea. Killough (Ireland), Coll. Leach, Parnell.

3? Labrus Comber. Comber Wrasse.

Comber, *Penn. Brit. Zool.* iii. 221, n. 122, pl. 47. *Id.* (edit. 1812), iii. p. 342, pl. 58. *Jen. Man.* 393.
Comber Wrasse, *Yarr. Brit. Fish.* i. 289. *Id.* 2 ed. i. 323.
Labrus Comber, *Gmel. Linn.* i. pt. iii. 1297. *Walb. Artedi*, iii. 259. *Bloch, Schneid. Syst. Ichth.* 373. *Turton, Brit. Fauna*, 99. *Flem. Brit. An.* 209. *Yarr. Brit. Fish.* i. 323.

Hab.—Coast.

2. CRENILABRUS.

Crenilabrus, *Cuv. R. A.* ii. 259. *Flem. Brit. An.* 208.
Sciæna, p., *Linn. Mus. Adolph. Fr.* 65.
Labrus, p., *Linn. Syst. Nat.* i. 477.
Lutjanus, p., *Bloch.*
Perca, *Müll. Zool. Dan.*
Cynædus, sp., *Swains. Lardn. Cycl. Fish.* ii. 229.
Crenilabrus and Ctenolabrus, *Val. Hist. Nat. Poiss.* xiii. 146, 223.

1. CRENILABRUS MELOPS. The Golden Wrasse. B. M.

Labrus melops, *Linn. Syst. Nat.* i. 477. *Sundev. in V. Wright, Skand. Fisk.* 103, t. 44.
Labrus Tinca, *Bloch, Schneid. Syst. Ichth.* 256. *Turton, Brit. Fauna*, 98, (nec L.) *Jen. Man.* 397.
Labrus Rone, *Ascan. Icon.* t. 14.
Crenilabrus rone, *Val. Hist. Nat. Poiss.* xiii. 172.
Lutjanus Norvegicus, *Bloch, Ichth.* t. 256.
Crenilabrus Tinca, *Flem. Brit. An.* 208. *Parn. Wern. Mem.* vii. 589.
Crenilabrus melops, *Val.* xiii. 167. *Yarr. Brit. Fish.* i. 325.
Turdus vulgatissimus, *Will. Hist. Pisc.* 319. *Ray, Syn. Pisc.* 136.
Labrus Turdus, *Müll. Prodr.* 383.
Cynædus Tinca, *Swains. Lardn. Cycl. Fish.* ii. 229.
Ancient Wrasse? *Penn. Brit. Zool.* iii. 214, pl. 47. *Id.* (edit. 1812), iii. 332, pl. 58.
Gilt-Head, *Yarr. Brit. Fish.* i. 293. *Id.* 2 ed. i. p. 325.
Connor. *Local name.*
Var. 1.
Labrus gibbus, *Gmel. Linn.* i. pt., iii. 1295. *Bloch, Schneid. Syst. Ichth.* 261. *Lacép. Poiss.* iv. 219. *Turton, Brit. Fauna*, 98. *Jen. Man.* 399.
Crenilabrus gibbus, *Flem. Brit. An.* 209. *Val. Hist. Nat. Poiss.* xiii. 175.
Cynædus gibbus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Gibbous Wrasse, *Penn. Brit. Zool.* iii. 250, pl. 46. *Id.* (edit. 1812), 338, pl. 56. *Yarr. Brit. Fish.* i. 298.
Var. 2.
Crenilabrus Norwegicus, *Cuv. & Val.* xiii. 176. *Yarr. Brit.Fish.* i. 328.
Labrus Cornubicus, *Gmel. Linn.* i. pt. iii. 1297.
Labrus Cornubius, *Lacép. Poiss.* iii. 389. *Don. Brit. Fish.* iii. pl. 72. *Turton, Brit. Fauna*, 99. *Jen. Man.* 398.
Crenilabrus Donovani, *Val. Hist. Nat. Poiss.* xiii. 180.
Perca maculosa, *Retz, Fauna Suec.* 337.
Lutjanus Cornubicus, *Bloch*, 256.
Crenilabrus Cornubicus, *Risso, Hist.* iii. 325. *Parn. Wern. Mem.* vii. 262.
Cynædus Cornubicus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Goldsinny, *Ray, Syn. Pisc.* 163, fig. 3. *Penn. Brit. Zool.* iii. 220, n. 121. pl. 47. *Id.* (edit. 1812), iii. 339, pl. 58.
Crenilabrus Pennantii, *Val. Hist. Nat. Poiss.* xiii. 178.
Var. 3.
Corkwing, *Couch in Loud. Mag. of Nat. Hist.* v. 17, f. 4. *Yarr. Brit. Fish.* 2 ed. i. 328.

Crenilabrus Couchii, *Val. Hist. Nat. Poiss.* xiii. 178.

HAB.—Coast.
Plymouth. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth.

2. CRENILABRUS PUSILLUS. Corkling.

Labrus pusillus, *Jen. Cat. of Brit. Vert. An.* 25, sp. 69. *Jen. Man.* 392. *Yarr. Brit. Fish.* 2 ed i. 330.
Crenilabrus multidentatus, *Thomp. Proc. Zool. Soc.* 1837, 56.
Turdus minor, the Corkling, *Ray*, *Syn. Pisc.* 165.

HAB.—Coast.

3. CRENILABRUS RUPESTRIS. Jago's Goldsinny. B. M.

Jago's Goldsinny, *Ray*, *Syn. Pisc.* 163, tab. 1, f. 3. *Yarr. Brit. Fish.* 2 ed. i. 333.
Sciæna rupestris, *Linn. Mus. Adolph. Fr.* 65, t. 31, f. 7.
Labrus suillus, *Linn. Fauna Suec.* 330?
Labrus rupestris, *Linn. Syst. Nat.* 478, sp. 27. *Walb. Artedi*, iii. 252. *Müll. Prod. Zool. Dan.* 45, sp. 382. *Bloch*, *Schneid. Syst. Ichth.* 248. *Nils. Prod. Ichth. Scand.* 76, sp. 5. *Wright*, *Fries & Ekstr. Skand. Fisk.* 45, t. 9, f. 1.
Perca rupestris, *Müll. Zool. Dan.* tab. 107. *Retz*, *Fauna Suec.* 337.
Lutjanus rupestris, *Bloch*, pt. vii. tab. 250, f. 1.
Sparus carudse, *Lacép. Poiss.* iv. 148.
Crenilabrus rupestris, Jago's Goldsinny, *Selby*, *Mag. Zool. and Bot.* i. 167. *Thomp. Mag. Zool. and Bot.* ii. 445. *Thomp. Zool. Prod.* 1837, 57. *Parn. Wern. Mem.* vii. 264.
Cynædus rupestris, *Swains. Lardn. Cycl. Fish.* ii. 229.
Ctenolabrus rupestris, *Val. Hist. Nat. Poiss.* xiii. 223.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. Brighton. Presented by J. G. Children, Esq.

3. ACANTHOLABRUS.

Acantholabrus, *Val. Hist. Nat. Poiss.* xiii. 242.
Labrus, p., *Linn.*
Crenilabrus, p., *Thompson.*
Cynædus, sp., *Swains. Lardn. Cycl. Fish.* ii. 229.

1. ACANTHOLABRUS EXOLETUS. Small-mouthed Wrasse. B.M.

Acantholabrus exoletus, *Val. Hist. Nat. Poiss.* xiii. 247. *Yarr. Brit. Fish.* 2 ed. i. 341.
Labrus exoletus. *Linn. Syst. Nat.* 479, sp. 33. *Linn. Faun. Suec.* 117, 331. *Müll. Prod. Zool. Dan.* 46, sp. 386. *Fab. Faun. Grœnl.* 166, sp. 120, *Bloch, Schneid. Syst. Ichth.* 260. *Retz. Faun. Suec.* 335, sp. 67. *Nils. Prod. Ichth. Scand.* 77. *Wright, Fries & Ekstr. Skand. Fisk.* 48, t. 9, f. 2.
Labrus cæruleus, p., *Müll. Prod. Faun. Dan.* (nec Asc.)
Labrus pentacanthus, *Lacép. Poiss.* iii. 503.
Crenilabrus microstoma, Small-mouthed Wrasse, *Thomp. Zool. Proc.* 1837, 55. *Mag. Zool. and Bot.* ii. 446, pl. 14.
Rock Cook, *Couch, Corn. Faun.* 39.
Acantholabrus microstoma, *Val. Hist. Nat. Poiss.* xiii. 250.

HAB.—Coast.
Skin. Cawsand. Presented by Lieut. H. F. Spence, R. N.

2. ACANTHOLABRUS COUCHII. Scale-rayed Wrasse.

Acantholabrus Couchii, *Val.* xiii. 248. *Yarr. Brit. Fish.* i. 337.
Labrus luscus, *Couch in Loud. Mag. of Nat. Hist.* v. 18, 742, 121, (nec Linn.) *Jen. Man.* 400.
Cynædus luscus, *Swains. Lardn. Cycl. Fish.* ii. 229.
Scale-wrayed Wrasse, *Yarr. Brit. Fish.* i. 300. *Id.* 2 ed. i. 337.

HAB.—Coast.

3. ACANTHOLABRUS YARRELLII. The Sea-Wife.

Acantholabrus Yarrellii, *Val.* xiii. 250, ("Yarellii.") *Yarr. Brit. Fish.* i. 339.
Labrus Vetula, *Yarr. Brit. Fish.* (olim) 284, (nec Bloch.) *Jen. Man.* 395.
The Sea-Wife, *Yarrell, l. c.*

HAB.—Coast, (occasional).

4. JULIS.

Julis, *Cuv. R. A.* ii. 257.
Labrus, p., *Linn.*
Icthycallus, *Swains. Lardn. Cycl. Fish.* ii. 232.

1. JULIS JULIS. Rainbow Wrasse.

Julis mediterranea, *Risso*, *Hist.* iii. 309. *Yarr. Brit. Fish.* i. 344. *Swains. Lardn. Cycl. Fish.* ii. 233.
Labrus Julis, *Linn. Syst. Nat.* i. 476. *Bloch, Ichth.* pl. 287, f. 1. *Bloch, Schneid. Syst. Ichth.* 247. *Lacép. Poiss.* iii. 493. *Don. Brit. Fish.* iv. pl. 96. *Turt. Brit. Faun.* 99. *Jen. Man.* 397.
Julis, *Will. Hist. Pisc.* 324, pl. X, 4, f. 1?
Julis festiva, *Valenc. Hist. Nat. Poiss.* xiii. 374.
Julis vulgaris, *Flem. Brit. An.* 210. *Valenc. Hist. Nat. Poiss.* xiii. 361. *Bonap. Icon. Faun. Ital.* iii. t. f. 1.
Icthycallus julis, *Swains. Lardn. Cycl. Fish.* ii. 232.
La Girelle, *Cuv. R. A.* ii. 257.
Indented striped Wrasse, *Don. Brit. Fish.*
Rainbow Wrasse, *Editor of Penn. Brit. Zool.* (edit. 1812), iii. 343. *Yarr. Brit. Fish.* i. 291. *Id.* 2 ed. i. 344.

HAB.—Coast.

Fam. X. ATHERINIDÆ.

Atherinidæ, *Gray*, *Syn. Brit. Mus.* 149, 1842. *Bonap. Specchio*, 9.
Mugiloides, p., *Cuv. R. A.* ii.
Mugilidæ, Atherinini, *Bonap. Saggio.*
Sphærinæ, p., *Swains. Lardn. Cycl. Fish.* ii. 175.

1. ATHERINA.

Atherina, *Linn.*

1. ATHERINA PRESBYTER. Atherine. B. M.

Atherina Presbyter, *Cuv. R. A.* ii. 235. *Jen. Man.* 377. *Yarr. Brit. Fish.* i. 214. *Id.* 2 ed. i. 229. *Parn. Wern. Mem.* vii. 230.
Atherina Hepsetus, *Don. Brit. Fish.* iv. pl. 87 (nec L.) *Neill, Wern. Mem.* i. *Flem. Brit. An.* 217.
A. Hespetus, *Turton, Brit. Faun.* 105.
Atherine, *Penn. Brit. Zool.* iii. 287, n. 157, pl. 65. *Id.* (edit. 1812) iii. 434, pl. 76.
Sand Smelt, Smelt. *Southampton.* Silver-side. *Local name.*

HAB.—Coast.
In spirits. Falmouth and Fifeshire.

Fam. XI. MUGILIDÆ.

Mugiloides, p., *Cuv. R. A.* ii. 230, 1829.
Mugiloideæ, *Rich. Faun. Bor.-Amer.* 87.
Octopterygii, Abdominales, p., *Bloch, Schneid. Syst.* 31.
Ciprinidi, p., *Rafin. Ind.* 32.
Lepidopomes, *Dum. Zool. Anal.* 143, 1806.
Mugilidæ, p., *Jen. Man.* 312. *Swains. Lardn. Cycl. Fish.* ii. 173.
Mugilidæ Mugilini, *Bonap. Saggio, &c.* 1831.
Mugilidæ, *Gray, Syn. Brit. Mus.* 149, 1842. *Bonap. Specchio Gen.* 9, 1845.
Mugiloidei, *Müll. Wiegm. Arch.* 136, 1845.

1. MUGIL.

Mugil, *Linn.*

1. Mugil capito. Grey Mullet. B.M.

Mugil capito, *Cuv. R. A.* ii. 232. *Jen. Man.* 375. *Bonap. Icon. Faun. Ital.* 31, t. f. 1. *Parn. Wern. Mem.* vii. 225, t. 28, (head). *Yarr. Brit. Fish.* i. 200. *Id.* 2 ed. i. 234.
Mugil Cephalus, *Don. Brit. Fish.* i. pl. 15 (nec L.). *Neill, Wern. Mem.* i. 544. *Turton, Brit. Faun.* 106. *Flem. Brit. An.* 217.
Mugil Britannicus, *Hancock, London Quart. Journ. of Sc.* 1830, 129.
Mugil cephalus, var. A, *Risso, Ichth. Nice*, 344.
Mullet, *Will. Hist. Pisc.* 274, t. R, 3? *Penn. Brit. Zool.* iii. 288, pl. 66.
Mugil Ramada, *Risso, Hist. Nat.* iii. 390.

Hab.—Coast.
Skins and in spirits. Firth of Forth, Devon, &c. Presented by Lieut. H. F. Spence, R.N., and Messrs. Yarrell and Gerrard.

2. Mugil Chelo. Thick-lipped Grey Mullet. B. M.

Mugil Chelo, *Cuv. R. A.* ii. 232. *Jen. Man.* 375. *Yarr. Brit. Fish.* i. 207. *Id.* 2 ed. i. 241. (*Cop. Faun. It.*) *Parn. Wern. Mem.* vii. 228, t. 28 (head). *Bonap. Faun. Ital.* 30,** t. f. 2.
Mugil provensalis, *Risso, Ichth. Nice*, 346?
Mugil labrosus, *Risso, Hist.* iii. 389, 1826.
Mugil cephalus, var. B, *Delaroche, Ann. Mus.* xiii. 358, t. 21, f. 7.

Thick-lipped Gray Mullet, *Yarrell.*

HAB.—Coast.
Skin. Firth of Forth.

3. MUGIL CURTUS. Short Grey Mullet.

Mugil curtus, *Yarr. Brit. Fish.* i. 210. *Jen. Man.* 376. *Yarr. Brit. Fish.* 2 ed. i. 245.

HAB.—Coast, (Poole Habour).

Fam. XII. BRAMADÆ.

Squammipennes, p., *Cuv. R. A.* ii. 188, 1829.
Chætodontoideæ Squammipennæ, p., *Rich. Faun. Bor.-Amer.* 73.
Squamipinnati, p., *Jen. Man.* 310.
Chætodontini, p., *Bonap. Saggio*, 1831.
Chætodontidæ, p., *Bonap. Specchio Gen.* 9, 1845.
Bramadæ, *Gray*, *Syn. Mus.* 1842, p. 149.

1. BRAMA.

Brama, *Bloch*, *Schneid. Syst. Ichth.* 1801.
Sparus, p., *Bloch.*

1. BRAMA RAII. Ray's Sea Bream. B. M.

Brama Raii, *Bloch*, *Schneid. Syst. Ichth.* 99. *Cuv. & Val. Poiss.* vii. 210, pl. 190. *Jen. Man.* 359. *Parn. Fish. Firth of Forth*, 49. *Wern. Mem.* vii. 209. *Yarr. Brit. Fish.* i. 133. *Couch*, *Zool.* 1849, app. p. xxviii. f.
Sparus Raii, *Bloch*, *Ichth.* pl. 273. *Don. Brit. Fish.* ii. pl. 37.
Sparus castaneola, *Lacép. Poiss.* iv. 110.
Sparus niger, *Turton*, *Brit. Fauna*, 98.
Brama marina caudâ forcipatâ, *Ray*, *Syn. Pisc.* 115. *Will. Hist. Pisc. App.* p. 17. tab. V. 12.
Brama marina, *Flem. Brit. An.* 210.
La Castagnole, *Cuv. R. A.* ii. 194.
Toothed Gilt-head, *Penn. Brit. Zool.* iii. 213, pl. 43. *Mont. in Linn. Trans.* vii. 292.
Ray's Bream, *Yarr. Brit. Fish.* i. 117. *Id.* 2 ed. i. 133.

HAB—Coast.
Skins. Berwick-on-Tweed. Presented by Dr. Geo. Johnston.

2? Brama pinna-squamata.

Brama pinna-squamata, *Couch*, *Zool.* 1849, *App.* p. xxvi. f. p. xxvii.
Hab.—Coast. Cornwall.

Fam. XIII. SCOMBERIDÆ.

Enneapterygii, *Bloch*, *Schneid. Syst.* 24.
Heptapterygii, Jugulares, p., *Bloch*, *Schneid.* 351.
Scomberoides, *Cuv. R. A.* ii. 196, 1829.
Scomberoideæ, *Rich. Fauna Bor.-Amer.* 76.
Atractosomes, p., *Dum. Zool. Anal.* 125, 1806.
Leptosomes, p., *Dum. Zool. Anal.* 135, 1806.
Scomberini, *Rafin. Indice*, 19.
Zeusidi, p., *Rafin. Indice*, 15, 1810.
Scombridæ Scombrini, S. Xiphiadini, S. Centronotini, S. Trichiurini, Triglidæ Gasterosteini, *Bonap. Saggio.*
Scombridæ, *Jen. Man.* 310.
Scombridæ Centronotini, Carangini, Xiphiadini, Zeini, Scombrini, *Bonap. Specchio*, *Gen.* 10.
Scomberidæ, *Gray*, *Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 174.
Scomberoidei, *Müll. Wiegm. Arch.* 1845, 136.
Tænioides, p., *Cuv. R. A.* ii. 217.
Peropteres, p., Petalosomes, p., *Dum. Zool.* 113, 121.

1. SCOMBER.

Scomber, *Cuv. R. A.* ii. 312, 1817.
Scomber, p., *Linn. Syst. Nat.*

1. Scomber Scombrus. Common Mackarel. B. M.

Scomber Scombrus, *Linn. Syst. Nat.* i. 492. *Lacép. Poiss.* iii. 24. *Cuv. & Val. Hist. Nat. Poiss.* viii. 6.
Scomber scomber, *Bloch*, *Ichth.* 54. *Bloch*, *Schneid. Syst. Ichth.* 24. *Don. Brit. Fish.* v. pl. 120. *Turton*, *Brit. Faun.* 100. *Jen. Man.* 360. *Wright*, *Ekstr. & Sundev. Skand. Fisk.* 128, t. 29. *Parn. Fish. Firth of Forth*, 50. *Wern. Mem.* vii. 210. *Yarr. Brit. Fish.* i. 121. *Id.* 2 ed. i. 137.
Scomber vulgaris, *Flem. Brit. An.* 217.
Mackrell, *Will. Hist. Pisc.* 181, tab. M. 3.

Common Mackrel, *Penn. Brit. Zool.* iii. 232, n. 132, pl. 51.

HAB.—Coast.
Skins. English Coast and the Firth of Forth.

2. SCOMBER COLIAS. Spanish Mackarel.

Scomber maculatus, *Couch in Loud. Mag. of Nat. Hist.* v. 22, f. 8, (nec Forster, MSS.) *Jen Man.* 361.
Scomber colias, *Gmel. Syst. Nat.* i. 1329. *Turton, Brit. Fauna,* 100. *Cuv. & Val. Poiss.* viii. 39, pl. 209. *Yarr. Brit. Fish.* i. 148.
Scomber macropthalmus, *Rafin. Indice,* 20, 53.
Colias Rondeletii, *Ray, Syn. Pisc.* 59.
Spanish Mackarel, *Couch, l. c. Yarr. Brit. Fish.* i. 131.

HAB.—Coast.

3. SCOMBER PUNCTATUS. Spotted Mackarel.

Scomber punctatus, *Couch, Zool.* 1849, *App.* p. xxix. f.

HAB.—Coast. Cornwall, Looe.

2. THYNNUS.

Thynnus, *Cuv. R. A.* ii. 1817.
Scomber, p., *Linn.*
Orcynus, *Cuv. R. A.* ii. 198, (olim).

1. THYNNUS THYNNUS. Common Tunny. B. M.

Scomber Thynnus, *Linn. Syst. Nat.* i. 493. *Bloch, Ichth.* 55. *Bloch, Schneid. Syst. Ichth.* 21. *Lacép. Poiss* ii. 605. *Don. Brit. Fish.* i. pl. 5. *Turton, Brit. Fauna,* 101. *Flem. Brit. An.* 218. *Jen. Man.* 362.
Thynnus vulgaris, *Cuv. & Val. Poiss.* viii. 58, 42, pl. 210. *Yarr. Brit. Fish.* 2 ed. i. 150.
Tunny Fish, *Will. Hist. Pisc.* 176, tab. M. 1, f. 3.
Tunny, *Penn. Brit. Zool.* iii. 234, pl. 52. *Yarr. Brit. Fish.* i. 134.
Mackrel-sture. *Scotland. Penn.* iii. 236.
Stoer Mackerel. *Scotland.*

HAB.—Coast.
Large stuffed specimens. Chesil bank, Weymouth.

2. THYNNUS PELAMYS. Bonito.

Scomber Pelamys, *Linn. Syst. Nat.* i. 492. *Stewart, Elem. N. H.* i. 363. *Jen. Man.* 363.
Scomber pelamides, *Lacép. Poiss.* iii. 14.
Thynnus Pelamys, *Cuv. & Val. Hist. Nat. des Poiss.* viii. 113, pl. 214. *Yarr. Brit. Fish.* 2 ed. i. 157.
Bonito, *Yarr. Brit. Fish.* i. 140.
Thunnus pelamys, *Parn. Fish. Firth of Forth*, 53. *Wern. Mem.* vii. 213.
Bonite des Tropiques, ou Thon à ventre rayé, *Cuv. R. A.* ii. 98.
Striped-bellied Tunny, *Yarrell.*

HAB.—Coast, (occasional).
Firth of Forth, *Charles Stewart, Elem. N. H.* i. 363.
Firth of Clyde, *Dr. Scouler, Mus. Andersonian Inst. Glasgow.*
Cornwall (July), *Couch, Yarrell.*

3. THYNNUS ALALONGA. Long-finned Tunny.

Thynnus alalonga, *Cuv. & Val. Poiss.* viii. 120.
Scomber alatunga, *Gmel. Syst. Nat.* i. 1330.
Scomber alalunga, *Walb. Artedi*, iii. 222.
Orcynus alalonga, *Jon. Couch, Zool.* 1846, p. 1413, fig.
HAB.—Ocean, (occasional).
Cornwall, (Mount's bay).

3. PELAMYS.

Pelamys, *Cuv. & Val. Poiss.* viii. 149, 1831.
Sarda, *Cuv. R. A.* ii. 199, 1829.
Scomber, p., *Bloch.*
Thynnus, p., *Risso.*

1. PELAMYS SARDA. Belted Bonito.

Pelamys sarda, *Cuv. & Val. Poiss.* viii. 149, fig. *Yarr. Brit. Fish.* i. 159.
Scomber sarda, *Bloch*, t. 334. *Bloch, Schneid. Syst. Ichth.* 22.
Scomber mediterraneus, *Bloch, Schneid. Syst.* 23.
Thynnus sardus, *Risso, Eur. Mer.* iii. 417.
Scomber palamitus, *Rafin. Caratt.* 44.
Belted Bonito, *Couch, Corn. Faun.*

HAB.—Coast, (occasional).

4. AUXIS.

Auxis, *Cuv. R. A.* ii. 199, 1829.
Scomber, p., *Rafin.*
Thynnus, p., *Risso.*

1. Auxis bisus. The Plain Bonito.

Auxis vulgaris, *Cuv. & Val. Hist. Nat. Poiss.* viii. 139. *Yarr. Brit. Fish.* 2 ed. i. 160.
Scomber bisus, *Rafin. Caratt*, 45, tab. 2, fig. 1, 1810.
Scomber Rochei, *Risso*, *Ichth.* 165, sp. 3.
Thynnus rocheanus, *Risso*, *Hist.* iii. 417, sp. 335.
Var. Maquereau unicolor, *Descript. de l'Egypte*, pl. 24, f. 6.

Hab.—Coast, (occasional).

5. LEPIDOPUS.

Lepidopus, *Gouan*, *Poiss.* 185, 1770. *Cuv. R. A.* ii. 217.
Trichiurus, p., *Euphrasen*, *Stockholm*, *Nya Handl.* ix. 1788.
Vandellius, *Shaw*, *Gen. Zool.* iv. 199, 1803.
Ziphotheca, *Mont. Wern. Mem.* i. 181, 1811.
Scarcina, *Rafin. Caratt.* 20, 1810.

1. Lepidopus caudatus. Scabbard-Fish. B. M.

Lepidopus argyreus, *Cuv. R. A.* ii. 217. *Cuv. & Val. Poiss.* viii. 223, pl. 223. *Jen. Man.* 371. *Yarr. Brit. Fish.* i. 176. *Id.* 2 ed. i. 198.
Lepidopus Lusitanicus, *Leach*, *Zool. Misc.* ii. 7, pl. 62.
Lepidopus tetradens. *Flem. Brit. An.* 205.
Trichiurus caudatus, *Euphr. Stockh. K. Vet. Acad. Nya Handl.* ix. 52, t. 9, f. 2, 1788. *Walb. Artedi*, iii. 695.
Trichiurus gladius, *Holten*, *Kiobenh*, *Skrivt. Af. Nat. Selsk.* v. 23, t. 2, f. 1, 1802.
Trichiurus ensiformis, *Vandelli*, *MSS. Shaw.*
Vandellius Lusitanicus, *Shaw*, *Gen. Zool.* iv. 199, 1803.
Lepidopus Peronii, *Risso*, *Ichth. Nice*, 148, t. 5, f. 18.
Ziphotheca tetradens, *Mont. Wern. Mem.* i. 82, t. 2, 3, ii. 432.
Scarcina argyrea, *Rafin. Caratt*, 20, t. 7, f. 1.
Lepidopus argenteus, *Nardo*, *Journ. Phys. Pav.* vii. 227.
Lepidopus ensiformis, *Swains. Lardn. Cycl. Fish.* ii. 254.
Scabbard-Fish, *Brit. Zool.* (edit. 1812), iii. 210.

Scale foot. *Local name.*
Peixe Espada. *Portuguese.*

HAB.—Coast, (occasional).
Skin. Salcomb, Devonshire, (Mus. Montagu).

6. TRICHIURUS.

Trichiurus, *L. Gray, Zool. Misc.* 9.
Lepturus, *Artedi.*
Gymnogaster, p., *Gronov. Mus. Ichth.* i. 17, 1754.
Clupea, p., *Forsk.*

1. TRICHIURUS LEPTURUS? Silvery Hair-tail.

Trichiurus Lepturus, *Linn. Syst. Nat.* i. 429. *Hoy in Linn. Trans.* xi. 210. *Flem. Brit. An.* 204. *Bloch, Ichth.* pl. 158? *Bloch, Schneid. Syst. Ichth.* 517. *Lacép. Poiss.* ii. 181, pl. 7, f. 1. *Cuv. R. A.* ii. 218.? *Cuv. & Val. Poiss.* viii. 237. *Jen. Man.* 372. *Yarr. Brit. Fish.* i. 182. *Id.* 2 ed. i. 204.
Trichiurus armatus, *Gray, Zool. Misc.* 9.
Blade-fish, *Fleming.*

HAB.—Coast, (occasional).

7. XIPHIAS.

Xiphias, *Cuv. R. A.* ii. 326, 1817.
Xiphias, p., *Linn.*

1. XIPHIAS GLADIUS. Common Sword Fish. B. M.

Xiphias gladius, *Linn. Syst. Nat.* i. 432. *Bloch, Ichth.* pl. 76. *Flem. Brewster's Journ.* ii. 187. *Turton, Brit. Faun.* p. 88. *Flem. Brit. An.* 220. *Cuv. R. A.* ii. 201. *Cuv. & Val. Poiss.* viii. 255, t. 225, t. 226, t. 231. *Jen. Man.* 364. *Yarr. Brit. Fish.* i. 143. *Id.* 2 ed. i. 164 (adult), 169 (jun.) *Parn. Fish. Firth of Forth*, 55. *Wern. Mem.* vii. 215.
Xiphias Rondeletii, *Leach in Wern. Mem.* ii. 58, pl. 2, f. 1. *Zool. Misc.* i. 62, pl. 27.
Sword Fish, *Will. Hist. Pisc.* 161, tab. L. 27, f. 2.
Sicilian Sword-fish, *Penn. Brit. Zool.* iii. 141, pl. 26. *Id.* (edit. 1812), iii. 216, pl. 30. *Knox in Edinb. Journ. of Nat. and Geog. Sci.* ii. 427.

HAB.—Coast, (occasional).
Stuffed specimen. Margate.

8. LICHIA.

Lichia, *Cuv. R. A.* ii. 203, 1829.
Scomber, p. *Linn.*
Caranx, p., *Lacép.*

1. Lichia glaucus. Albacore.

Albacore, *Couch in Linn. Trans.* xiv. 82. *Jen. Man.* 366.
Lichia glaucus, *Cuv. & Val. Poiss.* viii. 358, pl. 234.
Scomber glaucus, *Linn. Syst. Nat.* i. 494.
Scomber ascensionis, p., *Shaw, Gen. Zool.* iv. 593.
Caranx glaucus, *Lacép. Poiss.* iii. 66.
Centronotus binotatus, *Rafin. Caratt.* 43, t. 8. f. 2.
Lichia glaycos, *Risso, Eur. Mer.* iii. 429.
Var. Lichia tetracantha, *Bowdich, Cuv. & Val. l. c.* 363.

Hab.—Coast, (occasional).

9. CENTRONOTUS.

Centronotus, *Lacép. Poiss.* iii. 311, 1802.
Naucrates, p., *Rafin.*
Gasterosteus, p., *Linn. Syst. Nat.*
Scomber, p., *Bloch.*

1. Centronotus Ductor. Pilot-Fish. B. M.

Centronotus Ductor, *Couch, Linn. Trans.* xiv. 82. *Jen. Man.* 365.
Gasterosteus Ductor, *Linn. Syst. Nat.* i. 489.
Centronotus conductor, *Lacép. Poiss.* iii. 311.
Naucrates Ductor, *Cuv. & Val. Poiss.* viii. 312, pl. 232. *Yarr. Brit. Fish.* 2 ed. i. 170.
Scomber Ductor, *Hasselquist, It.* 336. *Bloch, Ichth.* pl. 338.
Gasterosteus antecessor, *Daldorf. Skrivt. Naturh. Selsk. Kiobenh.* ii. h. 2, 166.
Naucrates Fanfarus, *Rafin. Caratt*, 44.
Pilot-Fish, *Will. Hist. Pisc. App.* tab. 8, f. 2. *Yarr. Brit. Fish.* i. 149.

Hab.—Coast, (occasional).
Skin. Falmouth. Presented by W. P. Cocks, Esq.

10. GASTEROSTEUS.

Gasterosteus, *Linn.*
Gasterosteus and Spinachia, *Flem. Brit. An.* 219.
Gasterosteus, Leiurus and Polycanthus, *Swains. Lardn. Cycl. Fish.* ii. 242.

1. GASTEROSTEUS ACULEATUS. Three-spined Stickleback. B. M.

Gasterosteus aculeatus, *Linn. Syst. Nat.* i. 489. *Bloch, Ichth.* pl. 53, f. 3. *Bloch, Schneid. Syst. Ichth.* 122. *Don. Brit. Fish.* i. pl. 11. *Turton, Brit. Faun.* 101. *Flem. Brit. An.* 219. *Wright, Fries & Ekstr. Skand. Fisk.* 17, t. 4, f. 1. *Jen. Man.* 348.
Gasterosteus teraculeatus, *Lacép. Poiss.* iii. 296.
Gasterosteus gymnurus, *Cuv. R. A.* ii. 170.
Stickleback, *Will. Hist. Pisc.* 341, tab. X, 14, f. 1.
Three-spined Stickleback, *Penn. Brit. Zool.* iii. 229, n. 129, pl. 0, n. 129. *Id.* (edit. 1812) iii. 353, pl. 61.
Var. *a.* Gasterosteus trachurus, *Cuv. & Val. Poiss.* iv. 481, 2, pl. 98. *Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *a.*
Rough-tailed Stickleback, *Yarr. Brit. Fish.* i. 76. *Id.* (2 ed.) i. 90.
Full-armed Stickleback, *Parn. Fish. Firth of Forth*, 33, t. 25. *Wern. Mem.* vii. 193.
Var. *β.* Gasterosteus semiarmatus, *Cuv. & Val. Poiss.* iv. 493. *Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *b.*
Half-armed Stickleback, *Yarr. Brit. Fish.* i. 80. *Id.* (2 ed.) i. 94. *Parn. Fish. Firth of Forth*, 32, t. 22. *Wern. Mem.* vii. 192.
Var. *γ.* Gasterosteus leiurus, *Cuv. Yarr. in Mag. Nat. Hist.* iii. 522, f. 127, *c.*
Leiurus aculeatus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Smooth-tailed Stickleback, *Yarr. Brit. Fish.* i. 81. *Id.* (2 ed.) i. 95.
Quarter-armed Stickleback, *Parn. Ichth. Firth of Forth*, 30, t. 25. *Wern. Mem.* vii. 190.
Var. *δ.* Gasterosteus brachycentrus, *Cuv. & Val. Poiss.* iv. 499.
Leiurus brachycentrus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Short-spined Stickleback, *Yarr. Brit. Fish.* i. 82. *Id.* (2 ed.) i. 96.

Sharplin, Burnstickle. *Scotland.*

HAB.—Fresh water, and occasionally in the sea.
In spirits. Wandsworth, Greenwich, Plymouth, New River, Dorset. Presented by Dr. Leach, W. Yarrell, Esq., W. Thompson, Esq.
Duddingston, the Tweed, and the Firth of Forth. Presented by Dr. George Johnston, and from Dr. Parnell's collection.

2. GASTEROSTEUS SPINULOSUS. Four-spined Stickleback. B. M.

Gasterosteus spinulosus, *Yarr. & Jen. Jen. Man.* 350. *Parn. Fish. Firth of Forth*, 36, t. 25. *Wern. Mem.* vii. 196.
Leiurus spinulosus, *Swains. Lardn. Cycl. Fish.* ii. 242.
Four-spined Stickleback, *Stark, Edinb. New Phil. Journ. April*, 1831, p. 386. *Yarr. Brit. Fish.* i. 83. *Id.* (2 ed.) i. 97.

HAB.—Fresh water.
Skin. Ranza, Isle of Arran.
In spirits. Berwick. Presented by Dr. George Johnston.

3. GASTEROSTEUS PUNGITIUS. Ten-spined Stickleback. B. M.

Gasterosteus pungitius, *Linn. Syst. Nat.* i. 491. *Bloch, Ichth.* pl. 53, f. 4. *Bloch, Schneid. Syst. Ichth.* 123. *Lacép. Poiss.* iii. 297. *Don. Brit. Fish.* ii. pl. 32. *Turton, Brit. Faun.* 101. *Flem. Brit. An.* 219. *Cuv. & Val. Poiss.* iv. 506. *Wright, Fries & Ekstr. Skand. Fisk.* 20, t. 4, f. 2. *Jen. Man.* 350. *Parn. Fish. Firth of Forth*, 37, t. 26. *Wern. Mem.* vii. 197.
Leiurus pungitius, *Swains. Lardn. Cycl. Fish.* ii. 242.
Lesser Stickleback, *Will. Hist. Pisc.* 342.
Ten-spined Stickle-back, *Penn. Brit. Zool.* iii. 230, pl. 50, n. 130. *Id.* (edit. 1812) iii. 355, pl. 61. *Yarr. Brit. Fish.* i. 85. *Id.* (2 ed.) i. 99.
Var. β. Gasterosteus lævis, *Cuv. R. A.* ii. 170.

HAB.—Fresh-water (occasionally the sea).
In spirits. Battersea Fields and Cobham.

4. GASTEROSTEUS SPINACHIA. Fifteen-spined Stickleback. B. M.

Gasterosteus Spinachia, *Linn. Syst. Nat.* i. 492. *Bloch, Ichth.* pl. 53, f. 1. *Bloch, Schneid. Syst. Ichth.* 123, *t.* 33, f. 2. *Lacép. Poiss.* iii. 297. *Don. Brit. Fish.* ii. pl. 45. *Turton, Brit. Faun.* 101. *Wright, Fries & Ekstr. Skand. Fisk.* 21, t. 4, f. 3. *Jen. Man.* 351. *Parn. Fish. Firth of Forth*, 38, t. 26. *Cuv. & Val. Poiss.* iv. 373. *Cuv. R. A.* ii. 170.

Spinachia vulgaris, *Flem. Brit. An.* 219. *Bonap. Pesc. Eur.* 71.*
Polycanthus spinachia, *Swains. Lardn. Cycl. Fish.* ii. 242.
Aculeatus marinus, *Will. Hist. Pisc.* 340, t. X. 13, f. 2.
Fifteen-spined Stickleback, *Penn. Brit. Zool.* iii. 231, pl. 50, n. 131. *Id.* (edit. 1812), iii. 356, pl. 61. *Yarr. Brit. Fish.* i. 87. *Id.* (2 ed.) i. 101.
Great Sea Adder. *Local name.*
Bismore, Duckins. *Berwick.*

HAB.—Coast.
Skins and in spirits. Devon and Berwick-on-Tweed. Presented by Lieut. H. F. Spence, R.N. and Dr. George Johnston.
Firth of Forth.

11. CARANX.

Caranx, *Lacép. Poiss.* iii. *Cuv. R. A.* ii. 207.
Scomber, p. *Linn.*
Trachurus, *Rafin. Flem. Brit. An.* 218.

1. CARANX TRACHURUS. Scad. B. M.

Caranx trachurus, *Lacép. Poiss.* iii. 60. *Cuv. & Val. Poiss.* ix. 11, pl. 246. *Jen. Man.* 366. *Parn. Fish. Firth of Forth*, 57. *Wern. Mem.* vii. 217. *Yarr. Brit. Fish.* i. 154. *Id.* (2 ed.) i. 175. *Bonap. Pesc. Eur.* 75.*
Scomber trachurus, *Linn. Syst. Nat.* i. 494. *Bloch, Ichth.* pl. 56. *Bloch, Schneid. Syst. Ichth.* 27. *Don. Brit. Fish.* i. pl. 3. *Turton, Brit. Faun.* 101.
Trachurus saurus, *Rafin. Indice*, 20.
Trachurus vulgaris, *Flem. Brit. An.* 218.
Scad, *Will. Hist. Pisc.* 290, t. S, 22. *Penn. Brit. Zool.* iii. 237, pl. 51, n. 134.
Scad or Horse-Mackerel, *Yarrell.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

Fam. XIV. ZEIDÆ.

Zeidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 175.
Scomberoides, p., *Cuv. R. A.* ii. 196.
Scomberidæ, p., *Yarr. Brit. Fish.* i.

Scombridæ, p., *Jen. Man.* 310.
Scomberoidei, p., *Müll. Wiegm. Arch.* 1845, p. 136.
Zeides, *Latr. Fam. R. A.* 131.
Scombridæ, Zeini, *Bonap. Saggio*, 1831. *Pesc. Eur.* 75.*
Coryphænidæ, Centrolophini, p., *Bonap. Pesc. Eur.* 77.*

1. ZEUS.

Zeus, *L.*

1. Zeus Faber. Dory. B. M.

Zeus Faber, *Linn. Syst. Nat.* i. 454. *Bloch, Ichth.* pl. 41. *Bloch, Schneid. Syst. Ichth.* 94. *Lacép. Poiss.* iv. 577. *Don. Brit. Fish.* i. pl. 8. *Turton, Brit. Fauna*, 95. *Flem. Brit. An.* 218. *Jen. Man.* 367. *Yarr. Brit. Fish.* i. 162. *Id.* 2 ed. i. 183. *Parn. Fish. Firth of Forth*, 60. *Wern. Mem.* vii. 220.
Doree, *Will. Hist. Pisc.* 294, tab. S. 16. *Penn. Brit. Zool.* iii. 193, n. 100, pl. 41.
Le Dorée, *Cuv. R. A.* ii. 211.
John Dory. *Local name.*
Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth. Presented by Dr. Parnell.

2. LAMPRIS.

Lampris, *Retzius, Nya Handl.* 91, 1799.
Chrysotosus, *Lacép. Poiss.* iv. 587, 1802.
Zeus, p., *Linn.*
Scomber, p., *Gunner.*
Stromateus, p., *Holten.*

1. Lampris guttatus. Opah, or King Fish. B. M.

Lampris Luna, *Risso, Hist. Nat. de l'Eur. Mér.* iii. 341. *Flem. Brit. An.* 219. *Jen. Man.* 369.
Zeus Luna, *Gmel. Linn.* i. pt. iii. 1225. *Bloch, Schneid. Syst. Ichth.* 96. *Don. Brit. Fish.* v. pl. 97. *Sowerby, Brit. Misc.* pl. 22. *Turton, Brit. Faun.* 95.
Zeus Strœmii, *Walb. Artedi*, iii. 398.
Zeus guttatus, *Brunn. Nya Saml.* iii. 398, t. A.
Zeus regius, *Bonn. Enc. Méth.*
Zeus imperialis, *Shaw, Nat. Misc.* iv. pl. 140.
Scomber pelagicus. *Gunner, Mem. Dronth.* iv. t. 12, 1.
Zeus Opah, *Penn. Arct. Zool. Suppl.* 419.
Chrysotosus Luna, *Lacép. Poiss.* iv. 586, pl. ix. f. 3.

Stromateus thoracicus, *Holten.*
Lampris guttatus, *Cuv. R. A.* ii. 211. *Cuv. & Val.* x. 39, t. 282. *Yarr. Brit. Fish.* 2 ed. i. 194. *Parn. Wern. Mem.* vii. 223. t. 27, 195, n. 101.
Zeus (Lampris) guttatus, *Rich. Fauna Bor.-Amer.* 83.
Opah, *Penn. Brit. Zool.* iii. pl. 42. *Id.* (edit. 1812), iii. 299, pl. 46.
Opah, or King Fish, *Yarr. Brit. Fish.* i. 173.

HAB.—Coast, (occasional).
Stuffed. Dorsetshire.

3. CENTROLOPHUS.

Centrolophus, *Lacép. Poiss.* iv. 441.
Coryphæna, p., *Linn.*
Perca, p., *Gmel.*
Holocentrus, p., *Lacép.*

1. CENTROLOPHUS POMPILUS. Black Fish.

Coryphæna Pompilus, *Linn. Syst. Nat.* i. 447.
Coryphæna Morio, *Jen. Man.* 370.
Centrolophus Morio, *Cuv. & Val. Poiss.* ix. 342.
Centrolophus pompilus, *Cuv. & Val.* ix. 334, t. 269. *Yarr. Brit. Fish.* 2 ed. i. 179, (cop. Cuv. & Val.)
Centrolophus niger, *Lacép. Poiss.* iv. pp. 441, 442, pl. 10, f. 2.
Holocentrus niger, *Lacép. Poiss.* iv. 359. *Shaw, Gen. Zool.* iv. 558.
Perca nigra, *Gmel. Linn.* i. pt. iii. 1321.
Perca? Jagonis, *Walb. Artedi*, iii. 352.
Black-Fish, *Jago in Borl. Nat. Hist. of Cornw.* 271, pl. 26, f. 8. *Yarr. Brit. Fish.* i. 158.
Black Ruffe, *Penn. Brit. Zool.* iii. 228.
Black Perch, *Id.* (edit. 1812), iii. 321.

HAB.—Coast of Cornwall.

Fam. XV. GYMNETRIDÆ.

Poissons en ruban, ou Tænioides, p., *Cuv. R. A.* ii. 217, 1829.
Tænioidæ, p., *Rich. Fauna Bor.-Amer.* 85.
Tænioides, *Latr. Fam. R. A.* 141
Peropteres, p., *Dum. Zool. Anal.* 113, 1806.
Petalosomes, p., *Dum. Zool. Anal.* 121, 1806.
Cepolidæ, p., *Bonap. Saggio*, 1831.
Tænioidei, p., *Jen. Man.* 312.
Cepolidæ Cepolini, Lophotini, *Bonap. Specchio, Gen.* 10.
Gymnetridæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Cepolidæ, Trachypterini, *Bonap. Pesc. Eur.* 78.*

1. REGALECUS.

Regalecus, *Brunnich*, *Soc. Scien. Hafn.* iii. 418, (cop. Walb. in Artedi, Gen. Pisc. iii. 696, 1792. Ascanius, Icon. t. 11.)
Ophidium, p., *Ascanius*, *Act. Hafn.* iii. 419.
Gymnetrus, p., *Bloch*, *Schneid.*
Trachypterus, p., *Bonap. Pesc. Eur.* 78.*

1. Regalecus Glesne. King of the Herrings. B. M.

Regalecus Glesne, *Ascanius*, *Icon.* ii. t. 11. *Gray*, *Proc. Zool. Soc.* 1849, 78, fig.
Ophidium Glesne, *Ascanius*, *Mem. Soc. Copenh.* iii. 419.
Regalecus remipes, *Brunnich*, *Nya Saml.* iii. 414, t. B. f. 4, 5, 1788, (cop. Walb. Gen. Pisc. iii. 647, t. 3, f. 4.)
Gymnetrus remipes, *Bloch*, *Schneid. Syst. Ichth.* 482, t. 88, (cop. Yarrell, i. 223.)
Regalecus Glesne, *Lacép.* ii. 215.
Gymnetrus Ascanii, *Shaw*, *Zool.* iv. 2, p. 193, t. 27, (cop. Ascanius).
Gymnetre Glesne, *Val. Poiss.* x. 365, 366.
Gymnetrus Grillii, *Lindroth*, *Kongl. Vetensk. Acad. Nya Hand.* 1798, 288, t. 8. *Bloch*, *Schneid. Syst. Ichth.* 482. *Val. Poiss.* x. 370.
Gymnetrus Banksii, *Val. Poiss.* x. 365. *Proc. Zool. Soc.* 1849, fig. at p. 80.
Gymnetrus Hawkenii, *Couch*, *Linn. Trans.* xiv. 77, p., *Jen. Man.* 373, p. *Yarr. Brit. Fish.* i. 220, (not Bloch, t. 425?)
Trachypterus remipes, *Bonap. Pesc. Eur.* 79.*
Gymnetrus Northumbricus, *Hancock*, *Ann. N. H.* 1849, t.
Sea Serpent, *Ladies' Newspaper*, 12*th May*, 1849.

Hab.—Coast, (occasional).
Stuffed. Redcar, Yorkshire.

2. BOGMARUS.

Bogmarus, *Bloch*, *Schneid. Syst. Ichth.* 518.
Trachypterus, *Cuv. & Val.* x.
Gymnogaster, p., *Brunnich*.
Vogmarus, *Reinhardt*.
Gymnetrus, p., *Fleming*.

1. Bogmarus arcticus. Deal-Fish.

Gymnetrus arcticus, *Jen. Man.* 372.
Bogmarus Islandicus, *Schneid.* 518, t. 101.
Vogmarus Islandicus, *Reinh. Reid*, *Ann. & Mag. Nat. Hist.* iii. 1849, 456, t. 16, (Anat.)

Gymnogaster arcticus, *Brunn. Nya Saml.* iii. 408, t. B. f. 1, 2, 3. *Cuv. R. A.* ii. 246, 1817. *Swains. Lardn. Cycl. Fish.* ii. 258.
Deal-Fish of Orkney, *Flem. in Mag. of Nat. Hist.* iv. 215, fig.
Trachypterus Bogmarus, *Cuv. & Val.* x. 346. *Yarr. Brit. Fish.* i. 191. *Id.* 2 ed. i. 210. *Bonap. Pesc. Eur.* 79.* *Reid, Ann. and Mag. N. H.* 1849, 456, t. 10.
Vaagmaer, or Deal-Fish, *Yarrell.*
Vagmar, *Olafs. Isl. Reis.* t. 43.

HAB.—Coast. Shetland.

Fam. XVI. THEUTIDÆ.

Theutidæ, *Gray, Syn. Brit. Mus.* 1842, 141.
Theuties, p., *Cuv. R. A.* ii. 222.
Scomberoides, p., *Cuv. R. A.* ii. 211.

1. CAPROS.

Capros, *Lacép. Poiss.* iv. 590, 1802.
Zeus, p., *L.*
Perca, p., *Brunn.*

1. CAPROS APER. Boar Fish. B. M.

Zeus Aper, *Gmel. Linn.* i. pt. iii. 1225. *Bloch, Schneid. Syst. Ichth.* 96. *Jen. Man.* 368.
Capros Aper, *Lacép. Hist. Poiss.* iv. 591. *Risso, Hist. Nat. de l'Eur. Mér.* iv. 380. *Cuv. R. A.* ii. 211. *Proc. Zool. Soc.* 1833, 114. *Yarr. Brit. Fish.* 2 ed. i. 190. *Kidd, Zoologist*, 1843, 91, fig.
Aper Rondeletii. *Will. Hist. Pisc.* 296, tab. I. 4, f. 4.
Perca pusilla, *Brunn.* 62.
Boar Fish, *Yarr. Brit. Fish.* i. 169.

HAB.—Coast, (occasional).
Skins and in spirits. Brighton and Plymouth. Presented by J. Reeves, Esq. and Lieut. H. F. Spence, R. N.
Weymouth.

Fam. XVII. SYNGNATHIDÆ.

Syngnathidæ, *Gray, Syn. Brit. Mus.* 1842, 149. *Swains. Lardn. Cycl. Fish.* ii. 195.
Prostomides, *Latr. Fam. R. A.* 117.
Osteodermi, *Jen. Man.* 324.
Syngnathidæ, Syngnathini, Scyphini, *Bonap. Specchio Gen.* 11.
Lophobranches, *Cuv. R. A.* ii. 361.
Lophobranchia, *Latr. Fam. R. A.* 116.

Acanthopterygii, p., *Artedi*, *Gen. Pisc.* 26.
Enchelares, p., *Planander*, *Anim. in Class. Pisc.* 19.
Eleutheropomes, p., *Dum. Zool. Anal.* 105.
Signatidi, *Rafin. Indice*, 36.
Osteodermes, p., *Dum. Zool. Anal.* 109.
Lophobranchii, *Rich. Faun. Bor.-Amer.* 12. *Jen. Man.* 323. *Bonap. Specchio Gen.* 11.
Pentapterygii, Apodes, p., *Bloch*, *Schneid. Syst.* 58.
Ganoïdes, p., *Agassiz*, *Poiss. Foss.* iv. 1834.
Lophobranchii, Lophobranchi, *Müll. Wiegm. Arch.* 1845, 137.

1. SYNGNATHUS.

Syngnathus, *L.*
Syngnathus and Acus, *Swains. Lardn. Cycl. Fish.*
Syngnathi marsupiales et S. ophidii, *Fries*, *Wiegm. Arch.* 1838, 238.
Siphostoma, p., *Rafin.*

* Siphostoma, *Raf. Ch.* 18. *Anal.* 90. *Bonap. Pesc. Eur.* 89.*

1. Syngnathus Acus. Great Pipe-Fish. B. M.

Syngnathus Acus, *Linn. Syst. Nat.* i. 416. *Bloch*, *Ichth.* pl. 91, f. 1, (junr.), f. 2, (adult). *Bloch*, *Schneid. Syst. Ichth.* 514. *Turton*, *Brit. Faun.* 116. *Flem. Brit. An.* 175. *Jen. Man.* 484. *Fries*, *Wiegm. Arch.* 1838, 239. *Yarr. Brit. Fish.* 2 ed. ii. 432.
Syngnathus major, *Swains. Lardn. Cycl. Fish.* ii. 333.
Longer Pipe, *Penn. Brit. Zool.* iii. pl. 23, n. 60, lower fig. ♂, upper fig. ♀. *Low*, *Faun. Orc.* 181.
Tangle-fish. *Scotland.*
Syngnathus pelagicus, *Don. Brit. Fish.* iii. pl. 58, (nec L.) *Turton*, *Brit. Faun.* 117. *Flem. Brit. An.* 176. *Jen. Man.* 486.
Siphostoma acus, *Rafin. Indice*, 36. *Bonap. Pesc. Eur.* 89.*
Typhle heptagonus, *Raf. Ind.*

Hab.—Coast.
Skins and in spirits. Devon. Presented by Lieut. H. F. Spence, R. N.
Falmouth. Firth of Forth.

2. Syngnathus Typhle. Deep-nosed Pipe-Fish. B. M.

Syngnathus Typhle, *Linn. Syst Nat.* i. 416. *Bloch*, *Schneid. Syst. Ichth.* 414. *Don. Brit. Fish.* iii. pl. 56. *Turton*, *Brit. Faun.* 116. *Flem. Brit. An.* 175. *Jen. Man.* 485. *Fries*, *Wiegm. Arch.* 1838, 241, t. 6, f. 2 (head). *Yarr. Brit. Fish.* 2 ed. ii. 439. *Parn. Wern. Mem.* vii. 396.

Syngnathus acus, *Ekstr. Werh. k. Akad. Wiss.* 1831, t. 1, f. 1, 2, p. 271.
Typhle hexagonus, *Rafin. Indice*, 36.
Syngnathus Rondeletii, *Laroche*, *Ann. de Mus.* xiii. t. 21, 5.
Syngnathus viridis, *Risso. Guér. Icon.* t. 65, f. 1.
Acus Aristotelis, *Will. Hist. Pisc.* 158, tab. I. 25, f. 1.
Deep-nosed Pipe-fish, *Yarrell.*
Siphostoma tiphle, *Bonap. Pesc. Eur.* 89.*

HAB.—Coast.
Skins and in spirits. Dorset. Presented by W. Yarrell, Esq. Firth of Forth.

** Syngnathus, *Raf. Anal.* 90. *Bonap. Pesc. Eur.* 90.*
Scyphius p., *Risso.*
Acestra, p., *Hamilton*, *Jard. Nat. Libr.*

3. SYNGNATHUS ÆQUOREUS. Æquoreal Pipe-Fish. B. M.

Syngnathus æquoreus, *Linn. Syst. Nat.* i. 417. *Mont. Wern. Mem.* i. 85, pl. 4, f. 1. *Flem. Brit. An.* 176. *Jen. Man.* 486. *Fries*, *Wiegm. Arch.* 1838, 246, t. 6, f. 3 (head). *Yarr. Brit. Fish.* 2 ed. ii. 442. *Parn. Wern. Mem.* vii. 398. *Bonap. Pesc. Eur.* 90.
Acus nostras caudâ serpentinâ, *Sibb. Scot. Illustr.* pt. ii. t. ii. 24, tab. 19.
Syngnathus Sibbaldi, *Walb. Artedi*, iii. 6.
Pontiphis æquoreus, *Leach*, *MSS.*
Acus equoreus, *Swains. Lardn. Cycl. Fish.* ii. 333.
Acestra æquorea, *Hamilton*, *Jard. Nat. Libr. Brit. Fish.* 409.
Æquoreal Pipe-Fish, *Brit. Zool.* (edit. 1812), iii. 188. *Yarrell*, ii. 442.
Painted Sea Adder. *Cornwall.*

HAB.—Coast.
Skin. S. Devon.

4. SYNGNATHUS ANGUINEUS. Snake Pipe-Fish. B. M.

Syngnathus Ophidion, *Bloch*, *Ichth.* pl. 91, f. 3, (not L.) *Bloch*, *Schneid. Syst. Ichth.* 515. *Gmel. Linn.* i. pt. iii. 1456? *Jen. Man.* 487. *Parn. Wern. Mem.* vii. 399.
Nematosoma ophidion, *Leach*, *MSS.*
Var. Syngnathus maximus, *Walb. Artedi*, iii. 7.
Syngnathus anguineus, *Jen. Cat. of Brit. Vert. An.* 30, sp. 176. *Yarr. Brit. Fish.* 2 ed. ii. 445. *Bonap. Pesc. Eur.* 90.
Acus ophidion, *Swains. Lardn. Cycl. Fish.* iii. 333.
Acestra anguinea, *Hamilton*, *Jard. Nat Libr. Brit. Fish.* 409.

Snake Pipe-Fish, *Shaw*, *Gen. Zool.* v. pt. ii. 453, pl. 179, (cop. Bloch).
Longer Pipe-Fish, *Low*, *Faun. Orc.* 179. *Penn. Brit. Zool.* iii. 138, pl. 23, n. 61. *Id.* (edit. 1812), iii. 184, pl. 26, n. 61. *Jen. Man.* 488.
Syngnathus barbarus, *Bloch*, *Schneid. Syst. Ichth.* 516. *Turton*, *Brit. Faun.* 117. *Flem. Brit. An.* 176.

HAB.—Coast.
Skins. S. of England.
Dorset. Presented by W. Yarrell, Esq.
Firth of Forth.

*** Nerophis, *Raf. Anal.* 90. *Bonap. Pesc. Eur.* 91.*
Scyphius, *Risso.*
Acestra, p., *Hamilton*, *Jard. Nat. Libr.*
Nematosoma, *Eichw.*

5. SYNGNATHUS OPHIDION. The Straight-nosed Pipe-Fish.

Syngnathus ophidion, *Linn. Syst. Nat.* i. 417. *Faun. Suec.* 131, (nec Bloch). *Fries*, *Wiegm. Arch.* 1838, 248, t. 6, f. 4. *Yarr. Brit. Fish.* ii. 447.
Syngnathus lumbriciformis, *Jen. Man.* 488, (nec Yarrell).
Nerophis ophidion, *Bonap. Pesc. Eur.* 91.

HAB.—Coast.

6. SYNGNATHUS LUMBRICIFORMIS. Worm Pipe-Fish. B. M.

Syngnathus lumbriciformis, *Yarr. Brit. Fish.* ii. 450. *Fries*, *Wiegm. Arch.* 1838, 249, t. 6, f. 5, 6, 7, 8.
Syngnathus Ophidion, *Flem. Brit. An.* 176.
Pontiphis parvus, *Leach*, *MSS.*
Acus lumbriciformis, *Will. Hist. Pisc.* 160. *Swains. Lardn. Cycl. Fish.* ii. 333.
Little Pipe-Fish, *Penn. Brit. Zool.* iii. 141, pl. 33, n. 62. *Id.* (edit. 1812), iii. 187, n. 62.
Acestra lumbriciformis, *Hamilton*, *Jard. Nat. Libr.* 410.
Nerophis lumbriciformis, *Bonap. Pesc. Eur.* 91.

HAB.—Coast.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R. N., and collection of Dr. Leach.

2. HIPPOCAMPUS.

Hippocampus, *Leach*, *Zool. Misc.* i. 103. *Cuv. R. A.* ii. 363.
Syngnathus, p., *Linn.*

1. Hippocampus brevirostris. Sea-Horse.

Hippocampus brevirostris, *Cuv. R. A.* ii. 363. *Jen. Man.* 489. *Yarr. Brit. Fish.* 2 ed. ii. 452.
Hippocampus vulgaris, *Flem. Brit. An.* 176?
Hippocampus Rondeletii, *Will. Hist. Pisc.* tab. 1, 25, f. 3.
Hippocampus antiquorum, *Leach*, *Zool. Misc.* i. 104?
Short-nosed Hippocampus, *Yarrell.*

Hab.—Coast, (occasional).

Fam. XVIII. FISTULARIADÆ.

Bouches en flute, *Cuv. R. A.* ii. 266, 1829.
Fistularoideæ, *Rich. Faun. Bor-Amer.* 107.
Aulostomides, *Latr. Fam. R. A.* 129.
Scomberoides, p., *Latr. Fam. R. A.* 132.
Aphyostomes, p., *Dum. Zool. Anal.* 107, 1806.
Siphonostomes, p., *Dum. Zool. Anal.* 139, 1806.
Centrischini, *Rafin. Indice*, 34.
Fistularini, Centriscini, *Bonap. Saggio, &c.* 1831.
Fistularidæ, Centriscini, *Bonap. Specchio Gen.* 9, 1845.
Centriscidæ, p., *Jen. Man.* 315.
Aulostominæ, *Swains. Lardn. Cycl. Fish.* ii. 175.
Fistulariadæ, *Gray*, *Syn. Brit. Mus.* 1842, 149.

1. CENTRISCUS.

Centriscus, *Linn.*

1. Centriscus Scolopax. Trumpet-Fish.

Centriscus Scolopax, *Linn. Syst. Nat.* i. 415. *Bloch*, *Ichth.* pl. 123. f. 1. *Bloch*, *Schneid. Syst. Ichth.* 112. *Don. Brit. Fish.* iii. pl. 63. *Turton*, *Brit. Faun.* 117. *Shaw*, *Nat. Misc.* xiv. pl. 584. *Flem. Brit. An.* 220. *Cuv. R. A.* ii. 268. *Jen. Man.* 400. *Yarr. Brit. Fish.* i. 302. *Id.* 2 ed. i. 346.
Trumpet-Fish, *Will. Hist. Pisc.* 160, c. xi. tab. 1, 25, f. 2. *Couch*, *in Linn. Trans.* xiv. 89.

Snipe-nosed Trumpet-Fish, *Editor of Penn. Brit. Zool.* (edit. 1812), iii. 190.
Le Centrisque Becasse, *Lacép. Poiss.* ii. 95.
Bellows-fish. *Cornwall.*

HAB.—Coast, (rare).

Fam. XIX. BLENNIIDÆ.

Blenniidæ, *Gray*, *Syn. Brit. Mus.* 1842, 149. *Bonap. Pesc. Eur.* 66.*
Gobidæ, Blennini, *Bonap. Saggio. Pesc. Eur.* 66.
Blennidæ, *Bonap. Specchio*, 10.
Heptapterygii, Jugulares, p., *Bloch*, *Schneid.* 35.
Pentapterygii, Apodes, p., *Bloch*, *Schneid.* 56.
Blenniusidæ, *Flem. Brit. An.* 202, 1828.
Gobiadæ, p., *Jen. Man.* 313.
Blennii, p., *Bonap. Pesc. Eur.* 63, 1846.

1. BLENNIUS.

Blennius, *L.*

* Icthyocoris, *Bonap. Pesc. Eur.* 67.

1. BLENNIUS MONTAGUI. Montagu's Blenny. B. M.

Blennius Galerita, *Mont. Wern. Mem.* i. 98, pl. 5, f. 2, (nec L.) *Jen. Man.* 381.
Alauda cristata sive Galerita, *Will. Hist. Pisc.* 134.
Blennius Montagui, *Flem. Brit. An.* 206. *Cuv. & Val.* xi. 234. *Yarr. Brit. Fish.* i. 249.
Diminutive Blenny, *Editor of Brit. Zool.* (edit. 1812), iii. 277.
Montagu's Blenny, *Yarr. Brit. Fish.* i. 219. *Id.* 2 ed. i. 249.
Icthyocoris Montagui, *Bonap. Pesc. Eur.* 67.*

HAB.—Coast.
In spirits. Falmouth.

** Blennius, *Bonap. Pesc. Eur.* 66.

2. BLENNIUS OCELLARIS. Butterfly Fish. B. M.

Blennius ocellaris, *Brunn.* 25. *Bloch*, *Ichth.* pl. 167, f. 1. *Bloch*, *Schneid. Syst. Ichth.* 168. *Mont. Wern. Mem.* ii. 443, pl. 22, f. 2. *Flem. Brit. An.* 206. *Jen. Man.* 378. *Yarr. Brit. Fish.* i. 223. *Id.* 2 ed. i. 253.

Blennius lepus, *Lacép. Poiss.* ii. 461.
Butterfly Fish, *Will. Hist. Pisc.* 131, tab. H. 3, f. 2.
Ocellated Blenny, or Butterfly Fish, *Yarrell.*
Le Blennie papillon, *Cuv. R. A.* ii. 237.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R. N.
In spirits. S. Devon. Collections of Montagu and Leach.

3. BLENNIUS GATTORUGINE. Gattoruginous Blenny. B. M.

Blennius Gattorugine, *Brunn.* 27. *Donov. Brit. Fish.* iv. pl. 86. *Mont. Wern. Mem.* ii. 447. *Turton, Brit. Faun.* 92. *Flem. Brit. An.* 206. *Jen. Man.* 379.
Blennius gattorugina, *Lacép. Poiss.* ii. 468.
Blennius patuvanus, *Raf. Ind.* t. 4, f. 2.
Blennius fasciatus, *Risso, Eur. Mer.* iii.
Gattorugine, *Will. Hist. Pisc.* 132, c. xx. tab. H. 2, f. 2.
Gattorugin, *Penn. Brit. Zool.* iii. 181, pl. 35. n. 91.
Gattoruginous Blenny, *Yarr. Brit. Fish.* i. 226. *Id.* 2 ed. i. 256.

HAB.—Coast.
Skin and spirits. Devon. From collection of Dr. Leach.

4. BLENNIUS PENNANTII. Crested Blenny. B. M.

Blennius palmicornis, *Jen. Man.* 380, (not Cuv.)
Blennius Galerita, *Ascan. Ic.* t. 19. *Flem. Brit. An.* 207, (not Linn.) *Turton, Brit. Faun.* 92.
Blennius Pennantii, *Jen. Cat. of Brit. Vert. An.* 24, sp. 54, 1834.
Crested Blenny (Blennius galerita), *Penn. Brit. Zool.* iii. pl. 35, n. 90, (but not p. 206). *Yarr. Brit. Fish.* i. 233.
Blennius coquillad, *Lacép. Poiss.* ii. 477.
Blennius Yarrellii, *Cuv. & Val.* xi. 218. *Yarr. Brit. Fish.* 2 ed. i. 263, 183 *Bonap. Pesc. Eur.* 67.*

HAB.—Coast.
In spirits. Polperro, Cornwall. Presented by Jon. Couch, Esq.

2. PHOLIS.

Pholis, *Flem. Brit. An.* 207. *Bonap. Pesc. Eur.* 68.*
Blennius, p., *L.*
Pholis, p., *Artedi.*

1. Pholis lævis. Smooth Blenny, or Shan. B. M.

Blennius Pholis, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 71, f. 2. *Bloch, Schneid. Syst. Ichth.* 170. *Lacép. Poiss.* ii. 489. *Don. Brit. Fish.* iv. pl. 79. *Turton, Brit. Faun.* 93. *Jen. Man.* 382. *Parn. Wern. Mem.* vii. 233. *Yarr. Brit. Fish.* i. 230. *Id.* 2 ed. i. 266.
Alauda non cristata, *Will. Hist. Pisc.* 133, c. xxi. tab. H. 6, f. 2.
Cataphractus lævis, Smooth Shan, *Jago, Ray, Syn.* 164, f. 10.
Pholis lævis, *Flem. Brit. An.* 207.
Smooth Blenny, *Penn. Brit. Zool.* iii. 182, pl. 36. *Id.* (edit. 1812), iii. 280, pl. 40.
Shanny, or Smooth Shan, *Yarrell.*
Baveuse commune, *Cuv. R. A* ii. 238.
Stone-fish, *Parnell.* Mulgranoc, Bulcard. *Local names.*

Hab.—Coast.
Skins and in spirits. Polperro, Falmouth and Devon. Presented by J. Couch, Esq. and Lieut. H. F. Spence.
Firth of Forth.

3. CENTRONOTUS.

Centronotus, *Bloch, Schneid. Syst. Ichth.* 165, 1801.
Blennius, p., *Linn.*
Gunnellus, p., *Flem. Brit. An.* 207, 1828.
Gunellus, *Bonap. Pesc. Eur.* 69.*
Murænoides, p., *Lacép. Poiss.* ii. 324.
Ophisomus, *Swains. Lardn. Cycl. Fish.* ii. 277.

1. Centronotus gunnellus. Spotted Gunnel. B. M.

Blennius Gunnellus, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 71, f. 1. *Lacép. Poiss.* ii. 503. *Don. Brit. Fish.* ii. pl. 27. *Turton, Brit. Faun.* 93. *Jen. Man.* 383.
Gunnellus Cornubiensium, Butter-fish, *Will. Hist. Pisc.* 115, c. ix. tab. G. 8, f. 3.
Centronotus Gunellus, *Bloch, Schneid. Syst. Ichth.* 167. *Wright, Fries & Ekstr. Skand. Fisk.* 105, t. 25, f. 1.
Ophidion flavum, *Schonev.*
Ophidion imberbe, *Schonev.*
Gunnellus vulgaris, *Flem. Brit. An.* 207.
Gunellus vulgaris, *Bonap. Pesc. Eur.* 69.*
Ophisomus gunnellus, *Swains. Lardn. Cycl. Fish.* ii. 277.
Blennius (Centronotus) gunnellus, *Rich. Faun. Bor.-Amer.* 91.

Spotted Blenny, *Penn. Brit. Zool.* iii. 183, pl. 35, n. 93. *Id.* (edit. 1812), iii. 282, pl. 39.
Murænoides guttata, *Yarr. Brit. Fish.* i. 239. *Id.* 2 ed. i. 269.
Spotted Gunnel, or Butter-Fish, *Yarrell.*
Var. Purple Blenny, *Low, Faun. Orcad.* 203. *Parn. Wern. Mem.* vii. 235.
Butter-fish. *Cornwall.*
Swaar-fish, Swordick. *Orkney.*
Stane-checker. *Scotland.*

Hab.—Coast.
Skins and in spirits. Devon and Berwick on Tweed. Presented by Lieut. H. F. Spence, R. N., and Dr. George Johnston.
Firth of Forth.

4. ZOARCES.

Les Zoarcès, *Cuv. R. A.* 240.
Zoarces, *Jen. Man.* 386.
Blennius, p., *L.*
Gunnellus, p., *Flem. Brit. An.* 207.
Zoarcæus, *Wright, Skand. Fisk. Bonap. Pesc. Eur.* 69.*
Zoarchus, *Swains. Lardn. Cycl. Fish.* ii. 283.

1. Zoarces viviparus. Viviparous Blenny. B. M.

Zoarces viviparus, *Cuv. R. A.* ii. 240. *Jen. Man.* 384. *Yarr. Brit. Fish.* i. 243. *Id.* 2 ed. i. 273. *Parn. Wern. Mem.* vii. 237.
Zoarchus viviparus, *Swains. Lardn. Cycl. Fish.* ii. 283.
Zoarcæus viviparus, *Wright, Fries & Eckstr. Skand. Fisk.* 36, t. 8, f. 1. *Bonap. Pesc. Eur.* 69.*
Blennius viviparus, *Linn. Syst. Nat.* i. 443. *Bloch, Ichth.* pl. 72. *Bloch, Schneid. Syst. Ichth.* 171. *Don. Brit. Fish.* ii. pl. 34. *Turton, Brit. Faun.* 93.
Blennius Lumpenus, *Linn. Syst. Nat.* i. 444.
Blennius ovoviviparus, *Lacép. Poiss.* ii. 496.
Mustela vivipara, *Will. Hist. Pisc.* 122, tab. H. 3, f. 5.
Enchelyopus chlorosteon, *Leach, MSS.*
Guffer, Eelpout, *Sibb. Scot.* iii. 25.
Gunnellus viviparus, *Flem. Brit. An.* 207.
Viviparous Blenny, *Penn. Brit. Zool.* iii. 184, n. 94, pl. 37. *Id.* (edit. 1812), iii. 283, pl. 41.
Eel-pout, Guffer, Green-bone. *Scotland.*

Maruna Eel. *Berwick.*
Bard. *Edinburgh.*

HAB.—Coast.
Skins and in spirits. Greenwich. Presented by W. Yarrell, Esq. Firth of Forth. Mus. Leach.

5. ANARRHICHAS.

Anarrhichas, *L.*

1. ANARRHICHAS LUPUS. Wolf-Fish. B. M.

Anarrhichas Lupus, *Linn. Syst. Nat.* i. 430. *Ascanius, Icon.* t. 25. *Bloch, Ichth.* 74. *Lacép. Poiss.* ii. 300. *Don. Brit. Fish.* i. 24. *Turton, Brit. Faun.* 87 ("*Anarichas*"). *Flem. Brit. An.* 208. *Rich. Faun. Bor.-Amer.* 95. *Jen. Man.* 384. *Wright, Fries & Eckstr. Skand. Fish.* 23, t. 8, f. 2. *Yarr. Brit. Fish.* i. 247. *Id.* 2 ed. i. 277. *Parn. Wern. Mem.* vii. 339. *Bonap. Pesc. Eur.* 69.*
Anarrhichas strigosus, *Gmel. Syst. Nat.* i. 1144.
Wolf-Fish, *Will. Hist. Pisc.* 130, c. xviii. t. H. 3, f. 1.
Cat-Fish, *Sibb. Scot.* iii. 25, t. 16.
Ravenous Wolf-Fish, *Penn. Brit. Zool.* iii. 133, n. 65, pl. 24. *Id.* (edit. 1812) iii. 201, 27).
Sea-Wolf, Sea-Cat. *Scotland.*
Swine-Fish. *Orkney.*

HAB.—Coast.
Skins and stuffed. English Coast and the Firth of Forth.

6. OPHIDIUM.

Ophidium, *L.*
Enchelyopus, p., *Klein.*
Fierasfer, p., *Cuv. R. A.* ii. 359.

* Ophidium, *Bonap. Pesc. Eur.* 41.*

1. OPHIDIUM BARBATUM. The Bearded Ophidium.

Ophidium barbatum, *Linn. Syst. Nat.* i. 431. *Bloch, Ichth.* pl. 159, f. 1. *Lacép. Poiss.* ii. 279. *Bloch, Schneid. Syst. Ichth.* 484. *Berkenh. Syn.* i. 66. *Turton, Brit. Faun.* 88. *Cuv. R. A.* ii. 359. *Jen. Man.* 481. *Yarr. Brit. Fish.* 2 ed. ii. 415.

Enchelyopus barbatus, *Klein*, *Misc. Pisc.* iv. 52.

HAB.—Coast.

** Fierasfer, *Bonap. Pesc. Eur.* 41.*

2. OPHIDIUM IMBERBE. Beardless Ophidium. B. M.

Ophidium imberbe, *Linn. Syst. Nat.* i. 431. *Lacép. Poiss.* ii. 279. *Mont. in Wern. Mem.* i. 95, pl. 4, f. 2. *Turton*, *Brit. Faun.* 88. *Flem. Brit. Ann.* 201. *Jen. Man.* 481. *Yarr. Brit. Fish.* 2 ed. ii. 412.
Fierasfer imberbis, *Cuv. R. A.* ii. 359. *Bonap. Pesc. Eur.* 41.*
Ophidium punctatum, *Rafin. Caratt*, 19, t. 15, f. 4.
Notopterus Fontanesii, *Risso.*
Fierasfer Fontanesii, *Costa*, *Faun. Nap.* t. 20, *bis.*
"Carapus acus, *Rafin.?*" *Bonap.*
Beardless Ophidium, *Penn. Brit. Zool.* iii. *App.* 346, iv. pl. 93? *Id.* (edit. 1812) iii. 208, pl. 29.

HAB.—Coast.

7. ECHIODON.

Echiodon, *Thomp. Proc. Zool. Soc.* 1837.

1. ECHIODON DRUMMONDII. Drummond's Echiodon.

Echiodon Drummondii, *Thomp. Proc. Zool. Soc.* 55, 1837. *Trans. Zool. Soc.* ii. pt. iii. 207, pl. 38. *Yarr. Brit. Fish.* 2 ed. ii. 417.
Echiodon drummondi, *Bonap. Pesc. Eur.* 41.*

HAB.—Coast (Ireland).

Fam. XX. GOBIIDÆ.

Gobioides, p., *Cuv. R. A.* ii. 236.
Tænioides, p., *Cuv. R. A.* ii. 217.
Gobioideæ, p., *Rich. Faun. Bor.-Amer.* 88.
Blennidi, p., *Rafin. Indice*, 8, 1810.
Octopterygii, Thoracici, p., *Bloch*, *Schneid. Syst.* 28.
Pantopteres, p., *Dum. Zool. Anal.* 115, 1806.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Plecopodes, p., *Dum. Zool. Anal.* 123, 1806.

Blennides, p., *Swains. Lardn. Cycl. Fish.* ii. 182.
Gobiadæ, p., *Jen. Man.* 313.
Gobiadæ, Gobini, *Bonap. Saggio.*
Gobidæ, *Bonap. Specchio Gen.* 10.
Cyclopodi, Gobioiden, *Müll. Wiegm. Arch.* 1843, 297.
Gobiidæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Cepolidæ, Cepolini, p., *Bonap. Pesc. Eur.* 79*

1. GOBIUS.

Gobius, *L.*
Eleotris, p., *Bloch, Schneid.*

1. GOBIUS NIGER. Black Goby. B. M.

Gobius niger, *Linn. Syst. Nat.* i. 449 (nec Donov.) *Turton, Brit. Faun.* 94. *Jen. Man.* 385. *Ekstr. in Wright, Skand. Fisk.* 157, t. 36. *Yarr. Brit. Fish.* i. 251. *Id.* 2 ed. i. 281. *Cuv. R. A.* ii. 243. *Cuv. & Val. Poiss.* xii. 9. *Parn. Wern. Mem.* vii. 240, t. 29. *Bonap. Pesc. Eur.* 63.*
Gobius jozo, *Müll.* (nec Linn.)
Sea Gudgeon, *Will. Hist. Pisc.* 206, tab. N. 12, f. 1.
Black Goby, *Penn. Brit. Zool.* iii. 186, n. 95, pl. 38.
Rock-fish, Groundling. *Local names.*

HAB.—Coast.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R. N.
Devon, Falmouth and Firth of Forth.

2. GOBIUS RUTHENSPARRI. Two-spotted Goby. B. M.

Gobius Ruthensparri, *Euphr. Nov. Act. Stockh.* vii. 62, t. 3, f. 1. *Cuv. & Val.* xii. 48. *Yarr. Brit. Fish.* 2 ed. i. 285. *Bonap. Pesc. Eur.* 64.*
Gobius bipunctatus, *Yarr. Brit. Fish.* i. 255. *Jen. Man.* 386. *Parn. Wern. Mem.* vii. 246.
Gobius niger, *Don. Brit. Fish.* v. pl. 104, (nec Linn.) *Flem. Brit. An.* 206.
Double-spotted Goby, *Yarr. Brit. Fish.* 2 ed. i. 285.

HAB.—Coast.
In spirits. Berwick and Polperro. Presented by Dr. George Johnston and J. Couch, Esq.

3. GOBIUS MINUTUS. Spotted Goby. B. M.

Gobius minutus, *Pallas, Spic. Zool.* 8, p. 4. *Gmel. Linn.* i. pt. iii. 1199. *Don. Brit. Fish.* ii. pl. 38. *Turton, Brit. Faun.* 94. *Flem. Brit. An.* 206. *Jen. Man.* 386. *Yarr. Brit. Fish.* i. 258. *Id.* 2 ed. i. 288. *Parn. Wern. Mem.* vii. 242, t. 29.
Gobius aphya, *Walb. Artedi*, iii. 192. *Bloch, Schneid. Syst. Ichth.* 70.
Eleotris minuta, *Bloch, Schneid. Syst. Ichth.* 66.
Spotted Goby, *Penn. Brit. Zool.* iii. 187, n. 96, pl. 37.
Freckled Goby, *Parnell.*
Polewig, *Thames fishermen.*

HAB.—Coast.
Skins and in spirits. Mouth of Thames. Presented by J. Trembly, Esq.
Devon. Firth of Forth.

4. GOBIUS GRACILIS. Slender Goby. B. M.

Gobius gracilis, *Jen. Cat. of Brit. Vert. An.* 25, sp. 63. *Man.* 387. *Parn. Wern. Mem.* vii. 245, t. 29. *Yarr. Brit. Fish.* i. 260. *Id.* 2 ed. i. 290. *Bonap. Pesc. Eur.* 64.*
Slender Goby, *Yarrell.*

HAB.—Coast.
In spirits. Scotland. Presented by Dr. Geo. Johnston.

5. GOBIUS UNIPUNCTATUS. One-spotted Goby. B. M.

Gobius unipunctatus, *Parn. Wern. Mem.* vii. 243, t. 29. *Yarr. Suppl. to Hist. Brit. Fish.* 24. *Id.* 2 ed. *Hist. Brit. Fish.* i. 292. *Bonap. Pesc. Eur.* 64.*

HAB.—Coast.
In spirits. Falmouth.

6. GOBIUS ALBUS. The White Goby. B. M.

Gobius albus, *Parnell, Trans. of the Roy. Soc. of Edinb.* xiv. *Wern. Mem.* vii. 29. *Yarr. Suppl. to Hist. Brit. Fish.* 27. *Id.* 2 ed. i. 295. *Bonap. Pesc. Eur.* 64.*

HAB.—Coast.
In spirits. Firths of Forth and Solway. (Coll. Parnell).

2. CEPOLA.

Cepola, *Linn.*

1. Cepola rubescens. Red Band-fish. B. M.

Cepola rubescens, *Linn. Syst. Nat.* i. 445. *Mont. in Linn. Trans.* vii. 291, pl. 17. *Turton, Brit. Faun.* 94. *Don. Brit. Fish.* v. pl. 105. *Flem. Brit. An.* 204. *Cuv. R. A.* ii. 221. *Jen. Man.* 374. *Yarr. Brit. Fish.* i. 195. *Id.* 2 ed. i. 224. *Swains. Lardn. Cycl. Fish.* ii. 397. *Bonap. Pesc. Eur.* 79.*
Cepola Tænia, *Bloch, Ichth.* pl. 170? *Bloch, Schneid. Syst. Ichth.* 241. *Lacép. Poiss.* ii. 526.
Cepola serpentiformis, *Lacép. Poiss.* ii. 528.
Serpens rubescens, *Will. Hist. Pisc.* 118, c. 13.
Cepola marginata, *Rafin. Caratt.* 56, t. 16, f. 4.
Red Band-Fish, *Brit. Zool. (Pennant)*, edit. 1812, iii. 285.
Red Snake-Fish, *Couch, in Linn. Trans.* xiv. 76.

Hab.—Coast.
Skins and in spirits. Salcomb, Devon, Kingsbridge. Collections of Montagu and Cranch.
Scotland. Presented by Dr. Geo. Johnston.

2. Cepola longicauda. Long-tailed Band-fish.

Cepola longicauda, *Swains. Lardn. Cycl. Fish.* ii. 399.
Cepola rubescens, var., *Bonap. Pesc. Eur.* 79.*

Hab.—Coast, (occasional).

Fam. XXI. CALLIONYMIDÆ.

Callionymidæ, *Gray, Syn. Brit. Mus.* 1842, 149.
Auchenopteres, p., *Dum. Zool. Anal.* 117.
Gobioides, p., *Cuv. R. A.* ii. 236.
Octopterygii, Jugulares, p., *Bloch, Schneid.* 39.
Callionymidæ, Callionymini, *Bonap. Pesc. Eur.* 69.*

1. CALLIONYMUS.

Callionymus, *Linn.*

nd on path

1. CALLIONYMUS LYRA. Gemmeous Dragonet. B. M.

Callionymus Lyra, *Linn. Syst. Nat.* i. 433 (male). *Bloch, Ichth.* pl. 161. *Lacép. Poiss.* ii. 329. *Bloch, Schneid. Syst. Ichth.* 39. *Don. Brit. Fish.* i. pl. 9. *Turton, Brit. Faun.* 88. *Flem. Brit. An.* 208. *Wright, Fries & Ekstr. Scand. Fisk.* 95, t. 22. t. 23. *Jen. Man.* 388. *Parn. Wern. Mem.* vii. 248. *Yarr. Brit. Fish.* i. 261. *Id.* 2 ed. i. 297 (fig. cop. Wright, Skand. Fisk).
Dracunculus, *Will. Hist. Pisc.* 136, tab. H. 6, f. 3.
Gemmeous Dragonet, *Penn. Brit. Zool.* iii. 145, pl. 27. *Id.* (edit. 1812), iii. 221, pl. 31.
Yellow Skulpin. *Cornwall.*
Yellow Gurnard, Rotchet, Illeck. *Local names.*
Gowdie, Chanticleer. *Scotland.*
Callionymus dracunculus, *Linn. Syst. Nat.* i. 433, (female). *Penn. Brit. Zool.* iii. 224, t. 32. *Bloch*, t. 162. *Bloch, Schneid. Syst. Ichth.* 40. *Lacép. Poiss.* ii. 335. *Turton, Brit. Faun.* 89. *Don. Brit. Fish.* iv. t. 84. *Johnston, Zool. Journ.* iii. 336. *Cuv. & Val.* xii. 274. *Jen. Brit. Vert.* 389. *Yarr. Brit. Fish.* i. 302. *Parn. Wern. Mem.* vii. 250.
Callionymus lyra (female), *Neill, Wern. Mem.* i. 529. *Flem. Brit. An.* 208. *Wright, Fries. & Ekstr. Skand. Fisk.* t. 23.
Sordid Dragonet, *Pennant.*
Fox. *Kent.*
Skulpin. *Cornwall.*

HAB.—Coast.
Skins and in spirits. Specimens from Plymouth, Polperro and Brighton. Presented by Lieut. H. F. Spence, R. N., and Messrs. Couch and Children.
Mouth of Thames and Firth of Forth. Mus. Leach and Parnell.

Fam. XXII. ECHENEIDIDÆ.

Eleutheropodes, *Dum. Zool. Anal.* 123, 1806.
Discobola, p., *Latr. Fam. R. A.* 127.
Gadi, p., *Bonap. Specchio Gen.* 10.
Echeneididæ, *Jen. Man.* 322.
Echeneididæ, Echeneidini, *Bonap. Specchio Gen.* 10.
Echeneidæ, *Rich. Faun. Bor.-Amer.* 265.
Cyclopodi, Echeneiden, *Müll. Wiegm. Arch.* 1843, 297.
Echeneisidæ, *Gray, Syn. Brit. Mus.* 143.
Blennii, Echeneididæ, *Bonap. Pesc. Eur.* 66.

1. ECHENEIS.

Echeneis, *Linn.*

1. Echeneis Remora. Remora.

Echeneis Remora, *Linn. Syst. Nat.* i. 446. *Bloch, Ichth.* t. 172. *Bloch, Schneid. Syst. Ichth.* 240. *Lacép. Poiss.* iii. 147. *Turton, Brit. Faun.* 94, (Echineis). *Cuv. R. A.* ii. 347. *Jen. Man.* 473. *Yarr. Brit. Fish.* 2 ed. ii. 377. *Bonap. Pesc. Eur.* 66.*
Echeneis Musignani, *Costa, Faun. Nap.* t. ?
Echeneis arrosti, *Cocco ? Bonap.*
Remora, *Will. Hist. Pisc.* 119, *App.* tab. 9, f. 2.
Mediterranean Remora, *Brit. Zool.* (edit. 1812), iii. *App.* p. 524).

Hab.—Coast, (accidental visitor).

Fam. XXIII. LOPHIIDÆ.

Pectorales pediculées, *Cuv. R. A.* ii. 249.
Lophides, *Latr. Fam. R. A.* 139.
Chismopnés, p., *Dum. Zool. Anal.* 105, 1806.
Heptapterygii, Jugulares, p., *Bloch, Schneid.* 33.
Chondrodei, p., *Planander, Anim. in Class. Pisc.* 17, 1803.
Lofidi, *Rafin. Indice*, 42.
Lophidæ, *Bonap. Saggio, &c.*, 1831. *Swains. Lardn. Cycl. Fish.* ii. 195.
Lophiadæ, *Jen. Man.* 314.
Lophidæ, Lophini, *Bonap. Specchio Gen.* 10.
Batrachoideæ, *Rich. Faun. Bor.-Amer.* 102.
Lophiidæ, *Gray, Syn. Brit. Mus.* 1842, 143.
Blennii, Lophiidæ, *Bonap. Pesc. Eur.* 70.*

1. LOPHIUS.

Lophius, *L.*
Batrachus, *Risso.*

1. Lophius piscatorius. Common Angler. B. M.

Lophius piscatorius, *Linn. Syst. Nat.* i. 402. *Bloch, Ichth.* pl. 87. *Bloch, Schneid. Syst. Ichth.* 139. *Turton, Brit. Faun.* 115. *Don. Brit. Fish.* v. pl. 101. *Flem. Brit. An.* 214. *Shaw, Nat. Misc.* xi. pl. 422. *Jen. Man.* 389. *Bonap. Icon. Faun. Ital.* iii. 61,* t. f. 4, t. f. 1. *Parn. Wern. Mem.* vii. 253. *Yarr. Brit. Fish.* i. 269. *Id.* 2 ed. i. 305.

Lophius Fergusonis, *Walb. Artedi*, iii. 496, (founded on Ferguson, Phil. Trans. 53, p. 88, t. 13).
Lophius europæus, *Shaw.*
Lophius barbatus, *Montinus*, *Act. Holm.* iii. t. 4, 1779. *Gmelin*, *S. N.* i. 1480.
Rana piscatrix, *Will. Hist. Pisc.* 85, tab. E. 1.
Batrachus piscatorius, *Risso*, *Ichth. Nice.*
Common Angler, *Penn. Brit. Zool.* iii. 105, pl. 18. *Id.* (edit. 1812), iii. 159, pl. 21.
Fishing Frog, *Yarrell.*
La Lophie Baudroie, *Lacép. Poiss.* i. 304, t. 13, f. 1.
La Lophie Ferguson, *Lacép. Poiss.* 330.
Sea Devil, Wide-gab. *Scotland.*
Mirring Nass, Frog-fish. *Local names.*
Lophius cornubicus, *Shaw*, *Gen. Zool.* v. 381, (from Borlase).
Fishing-Frog of Mount's Bay, *Borl. Cornw.* 266, pl. 27, f. 5.
Lophius aculeatus, *Walb. Artedi*, iii. 496.
Long Angler, *Penn. Brit. Zool.* iii. 107.

Hab.—Coast.
Skins and in spirits. English Coast. Presented by Mr. Joseph Baker.
Firth of Forth.

Order II. MALACOPTERYGIA.

Malacopterygii, *Artedi*, *Gen. Pisc.* 1, 1738, p.
Malacopterygiens, *Cuv. R. A.* ii. 269, 1829.
Malacopterygia, *Gray*, *Syn. Brit. Mus.*
Malacopteryges. *Swains. Lardn. Cycl. Fish.* ii. 184.
Catopoda, *Latr. Fam. R. A.* 118.
Cycloïdes, *Agassiz*, *Poiss. Foss.* iv. 1834.

Suborder I. M. ABDOMINALIA.

Malacopterygii abdominales, *Rich. Faun. Bor.-Amer.* p. xii.
Malacopterygiens abdominaux, *Cuv. R. A.* ii. 269.
Physostomi, p., *Bonap. Pesc. Eur.* 5.*

Fam. I. CYPRINIDÆ.

Cyprinoides, *Cuv. R. A.* ii. 269, 1829.
Heptapterygii, Abdominales, p., *Bloch*, *Schneid. Syst.* 51.
Cylindrosomes, p., *Dum. Zool. Anal.* 139, 1806.
Ciprinidi, *Rafin. Indice*, 32.
Cyprinidæ, *Gray*, *Syn. Brit. Mus.* 1842, 150. *Flem. Brit. An.* 177. *Jen. Man.* 316. *Parn. Fish. Firth of Forth*, 106.
Cyprinidæ Cyprinini, C. Leuciscini, *Bonap. Cat. Met.* pp. 3, 5. *Specchio*, 8.
Cyprinæ, *Swains. Lardn. Cycl. Fish.* ii. 184.
Cyprinides unipupillati, *Latr. Fam. R. A.* 123.
Cyprinoideæ, *Rich. Faun. Bor.-Amer.* 109.
Cyprini, Cyprinidæ, *Bonap. Pesc. Eur.* 26.*

1. CYPRINUS.

Cyprinus, *Cuv. R. A.* ii. 270. *Agassiz*, *Mem. Soc. Sc. Nat. Neuchatel*, i. 37.
Cyprinus, p., *L.*
Cyprinus, Carassius, *Nilss. Bonap. Cat. Met.*
Cyprinus, Carpio, *Heckel*, *Ann. Wien. Mus.*
Cyprinopsis, *Fitzinger.*

* Cyprinus, *Nilss.*

1. Cyprinus Carpio. Common Carp. B. M.

Cyprinus Carpio, *Linn. Syst. Nat.* i. 525. *Bloch, Ichth.* pl. 16. *Bloch, Schneid. Syst. Ichth.* 447. *Lacép. Poiss.* v. 504. *Turton, Brit. Faun.* 107. *Don. Brit. Fish.* v. pl. 110. *Flem. Brit. An.* 185. *Jen. Man*, 401. *Bonap. Icon. Faun. Ital.* iii. 92, t. f. 2. *Cat. Met.* 3. *Yarr. Brit. Fish.* i. 305. *Id.* 2 ed. i. 349.
Cyprinus Carpis, *Val. Hist. Nat. Poiss.* xvi. 23.
Var. Cyprinus macrolepidotus, *Meiding, Pisc. Austr.* t. 41.
Var. Cyprinus speculum, *Lacép. Poiss.* v. 182.
Var. Cyprinus nudus, *Lacép. Poiss.* v. 182.
Carp, *Will. Hist. Pisc.* 245, tab. Q. 1, f. 2. *Penn. Brit. Zool.* iii. 309, n. 165, pl. 70. *Id.* (edit. 1812), iii. 467, pl. 81.
Common Carp, *Yarrell.*

Hab.—Ponds.
Skins and stuffed. Surrey, (specimen when caught weighed 22½lbs.) Presented by Edw. Jesse, Esq.
Gloucester.

** Carassius, *Nilss.*

2. Cyprinus Carassius. Crucian Carp. B. M.

Cyprinus Carassius, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 11. *Bloch, Schneid. Syst. Ichth.* 438. *Lacép. Poiss.* v. 549. *Turton, Brit. Faun.* 108. *Val. Hist. Nat. Poiss.* xvi. 82. *Jen. Man.* 403. *Ekstr. in Wright, Skand. Fisk.* 140, t. 31. *Yarr. Brit. Fish.* 2 ed. i. 355.
Cyprinopsis Carassius, *Fitzinger.*
Carassius Linnæi, *Bonap. Cat. Met. Cipr. d'Eur.* 3. *Pesc. Eur.* 27.*
German Carp, *Yarrell.*
Var. Cyprinus Gibelio, *Gmel. Linn.* i. pt. iii. 1417. *Bloch, Ichth.* 12. *Bloch, Schneid. Syst. Ichth.* p. 438. *Flem. Brit. An.* 185. *Jen. Man.* 402. *Val. Hist. Nat. Poiss.* xvi. 90. *Yarr. Brit. Fish.* 2 ed. i. 358.
Cyprinus Carassius, var. B. *Ekstr. in Wright, Skand. Fisk.* 142, t. 32, (C. Gibelio).
Carassius gibelio, *Bonap. Cat. Met. Cipr. d'Eur.* 4. *Pesc. Eur.* 27.*
Carassius, *Will. Hist. Pisc.* 249.

Carassius moles? *Agassiz.*
Crucian (C. Carassius), *Penn. Brit. Zool.* iii. 319, pl. 72, n. 171. *Yarr. Brit. Fish.* i. 311.
Gibèle, *Cuv. R. A.* ii. 271.
The Prussian Carp, *Yarrell.*
Crouger. *Warwickshire.*

HAB.—Fresh water.
Skin and in spirits. Presented by W. Yarrell, Esq.

3. CYPRINUS AURATUS. Golden Carp. B. M.

Cyprinus auratus, *Linn. Syst. Nat.* i. 527. *Bloch, Ichth.* pls. 93 & 94. *Bloch, Schneid. Syst. Ichth.* 439. *Lacép. Poiss.* v. 553. *Turton, Brit. Faun.* 108. *Flem. Brit. An.* 185. *Jen. Man.* 403. *Yarr. Brit. Fish.* i. 315. *Id.* 2 ed. i. 358. *Val. Hist. Nat. Poiss.* xvi. 101.
Gold-Fish, Golden Carp, *Penn. Brit. Zool.* iii. 327. *Id.* (edit. 1812), iii. 490. *Drummond, Zoologist,* 1843, 84, (fig. with vegetable fibres springing from back).
Gold Carp, *Yarrell.*

HAB.—Fresh water, (introduced).
Skins and in spirits. Presented by Mrs. Bennett and W. Yarrell, Esq.

2. BARBUS.

Barbus, *Cuv. R. A.* ii. 272. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel,* i. 37.
Cyprinus, p., *L.*

1. BARBUS BARBUS. The Barbel. B. M.

Cyprinus Barbus, *Linn. Syst. Nat.* i. 525. *Bloch, Ichth.* pl. 18. *Bloch, Schneid. Syst. Ichth.* 450. *Lacép. Poiss.* v. 524. *Don. Brit. Fish.* ii. pl. 29. *Turton, Brit. Faun.* 107. *Jen. Man.* 404.
Barbus vulgaris, *Flem. Brit. An.* 185.
Barbus fluviatilis, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel,* i. 37. *Yarr. Brit. Fish.* i. 321. *Id.* 2 ed. i. 367. *Bonap. Icon. Faun. Ital.* iii. 129, t. f. 3, (var. Tyberinus), *Val. Hist. Nat. Poiss.* xvi. 125. *Schinz. Nouv. Mém. Soc. Helv.* i. 153. *Bonap. Pesc. Eur.* 27.*

Barbel, *Will. Hist. Pisc.* 259, tab. Q. 2, f. 1. *Penn. Brit. Zool.* iii. 312, pl. 71. *Id.* (edit. 1812), iii. 472, pl. 82.
Var. Barbus cyclolepis, *Heckel, Ann. Wien. Mus.* ii. 155.

Hab.—Fresh water.
Skins and in spirits. Hyde Park (Serpentine). Presented by Mr. Slark.
Thames, near Isleworth. Presented by Sir Joseph Banks, Bart.
Thames, at Teddington. Presented by John Doubleday, Esq.
Near London. Presented by W. Yarrell, Esq.
England. Presented by A. M. Browne, Esq.

3. GOBIO.

Gobio, *Cuv. R. A.* ii. 273. *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 36.
Cyprinus, p., *Linn.*
Tinca, p., *Swains. Lardn. Cycl. Fish.* ii. 285.

1. Gobio fluviatilis. Gudgeon. B. M.

Cyprinus Gobio, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 8, f. 2. *Bloch, Schneid. Syst. Ichth.* 448. *Lacép. Poiss.* v. 533. *Don. Brit. Fish.* iii. pl. 71. *Turt. Brit. Faun.* 107. *Jen. Man.* 405.
Gobio fluviatilis, *Flem. Brit. An.* 186. *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 36. *Valenc. Hist. Nat. Poiss.* xvi. 300. *Bonap. Cat. Met. Cipr. d'Eur.* 4. *Pesc. Eur.* 27.* *Yarr Brit. Fish.* i. 325. *Id.* 2 ed. i. 371.
Tinca gobio, *Swains. Lardn. Cycl. Fish.* ii. 285.
Var.? Gobio obtusirostris, *Valenc. Hist. Nat. Poiss.* xvi. 311.
Gudgeon, *Will. Hist. Pisc.* 264, t. Q. 8, f. 4. *Penn. Brit. Zool.* iii. 310, n. 168. *Id.* (ed. 1812) iii. 476.

Hab.—Fresh water.
Skins. River Codbeck.

4. TINCA.

Tinca, *Cuv. R. A.* ii. 273.
Cyprinus, p., *Linn.*

1. TINCA VULGARIS. The Tench. B. M.

Cyprinus Tinca, *Linn. Syst. Nat.* i. 526. *Bloch, Ichth.* pl. 14. *Bloch, Schneid. Syst. Ichth.* 448. *Lacép. Poiss.* v. 534. *Turt. Brit. Faun.* 108. *Don. Brit. Fish.* v. pl. 113. *Jen. Man.* 405. *Ekstr. in V. Wright's Skand. Fisk.* 205, t. 52.
Tinca vulgaris, *Flem. Brit. An.* 186. *Valenc. Hist. Nat. Poiss.* xvi. 322. *Bonap. Cat. Met. Cipr. d'Eur.* 5. *Pesc. Eur.* 28.* *Yarr. Brit. Fish.* i. 328. *Id.* 2 ed. i. 375.
Tinca communis, *Swains. Lardn. Cycl. Fish.* ii. 285.
Tinca chrysitis, *Agassiz, Mem. Soc. Sc. Nat. Neuch.* i. 37. *Bonap. Icon. Faun. Ital.* iii. 93, t. f. 2.
Tinca Italica, *Bonap. Icon. Faun. Ital.*
Tench, *Will. Hist. Pisc.* 251, c. 6, t. Q. 5, f. 1. *Penn. Brit. Zool.* iii. 314, n. 167. *Id.* (ed. 1812) iii. 474.
Tanche vulgaire, *Cuv. R. A.* ii. 273.

HAB.—Fresh water.
Skins and in spirits. Near London. Presented by W. Yarrell, Esq.

5. ABRAMIS.

Abramis, *Cuv. R. A.* ii. 274.
Cyprinus, p., *Linn.*
Abramis, Blicca, Bliccopsis, *Heckel. Ann. Wien. Mus.*

* Abramis, *Heckel.*

1. ABRAMIS BRAMA. Common Bream. B. M.

Cyprinus Brama, *Linn. Syst. Nat.* i. 531. *Bloch, Ichth.* pl. 13. *Bloch, Schneid. Syst. Ichth.* 438. *Lacép. Poiss.* v. 591. *Don. Brit. Fish.* iv. pl. 93. *Turton, Brit. Faun.* 108. *Jen. Man.* 406. *Ekstr. in Wright, Skand. Fisk.* pl. 42.
Cyprinus Farenus (junr.), *Linn. Faun. Suec.* 130.
Abramis Brama, *Flem. Brit. An.* 187. *Bonap. Cat. Met. Cipr. d'Eur.* 10. *Yarr. Brit. Fish.* i. 335. *Id.* 2 ed. i. 382. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 39.
Bream, *Will. Hist. Pisc.* 248, t. Q. 10, f. 4. *Penn. Brit. Zool.* iii. 317, pl. 70, n. 169, *Id.* (edit. 1812), iii. 478, pl. 81.
Carp-Bream, *Yarrell.*

HAB.—Fresh water.
Skins. England and Lochmaben in Scotland.

** Blicca, *Heckel.*

2. Abramis Blicca. White Bream. B. M.

Cyprinus Blicca, *Bloch*, *Ichth.* pl. 10? *Bloch*, *Schneid. Syst. Ichth.* 437. *Jen. Man.* 407. *Wright*, *Fries and Ekstr. Skand. Fisk.* 34, t. 12.
Cyprinus latus, *Gmel. Linn.* i. pt. iii. 1438.? *Jen. Cat. of Brit. Vert. An.* 26, sp. 86.
Cyprinus Ballerus, p., *Linn. Faun. Suec.* 129.
Abramis blicca, *Cuv. R. A.* ii. 274? *Bonap. Cat. Met. Cipr. d'Eur.* 11.
Abramis Brama, p., *Flem. Brit. An.* 187.
Blicca bjoerkna, *Heckel*, *Ann. Wien. Mus.*
White Bream, or Bream-Flat, *Yarr. Brit. Fish.* i. 340. *Id.* 2 ed. i. 387.
White Bream. *Local name. Newark.*
Bream-flat. *Local name. Cambridgeshire.*

Hab.—Fresh water.
Skin. Lochmaben. (Coll. Parnell).

*** Bliccopsis, *Heckel.*

3. Abramis Buggenhagii. The Pomeranian Bream.

Cyprinus Buggenhagii, *Bloch*, *Ichth.* pl. 95. *Bloch*, *Schneid. Syst. Ichth.* 440. *Lacép. Poiss.* v. 577.
Cyprinus abrama, rutilus, *Hollandre*, *Faune Belge.*
Abramis Buggenhagii, *Thomp. Proc. Zool. Soc.* 1837, 56. *Yarr. Brit. Fish.* 2 ed. i. 391. *Bonap. Cat. Met. Cipr. d'Eur.* 11.
Leuciscus Buggenhagii, *Val. Hist. Nat. Poiss.* xvii. 53.
Bliccopsis Buggenhagii, *Heckel.*
The Pomeranian Bream, *Yarrell.*
Var. Abramis Heckelii, *Selys-longchamps*, *Faune Belge.*

Hab.—Fresh water.

6. LEUCISCUS.

Leuciscus, *Klein. Cuv. R. A.* ii. 275, p. *Agassiz*, *Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Cyprinus, p., *Linn.*
Leuciscus, Gardonus, Squalius, Scardinius, *Bonap. Cat. Met. Cipr. d'Eur.* 79, 10.

Leuciscus, p., Tinca, p., *Swains. Lardn. Cycl. Fish.* ii. 285.
Aspius, p., *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38, (L. alburnus, 1835).
Phoxinus, p., *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 37, (L. Phoxinus, 1835).

* Idus, *Heckel. Bonap.*

1. Leuciscus idus. The Ide.

Cyprinus Idus, *Linn. Syst. Nat.* i. 529. *Bloch, Ichth.* pl. 36. *Bloch, Schneid. Syst. Ichth.* 439. *Lacép. Poiss.* v. 576. *Jen. Man.* 415. *Wright, Fries and Ekstr. Skand. Fisk.* 59, t. 11.
Leuciscus idus, *Cuv. R. A.* ii. 275. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38. *Yarr. Brit. Fish.* i. 344. *Id.* 2 ed. i. 395, (cop. Ekström). *Val. Hist. Nat. Poiss.* xvii. 228.
Tinca Idus, *Swains. Lardn. Cycl. Fish.* ii. 285.
Idus Idbarus, *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*
Var. Leuciscus neglectus, *Selys-longchamps, Faune Belge.*
Cyprinus Idbarus (junr.?), *Linn. Syst. Nat.* i. 529. *Ekstr. Fische von. Mörko*, 18, t. 11.
Cyprinus microlepidotus, *Ekstr. Fische von Mörko*, t. 1, 2.
Var. Leuciscus frigidus, *Val. Hist. Nat. Poiss.* xvii. 234.

Hab.—Fresh water.

** Squalius, *Bonap.*

2. Leuciscus dobula. The Dobule Roach. B. M.

Cyprinus Dobula, *Linn. Syst. Nat.* i. 528. *Bloch, Ichth.* pl. 5. *Bloch, Schneid. Syst. Ichth.* 435. *Lacép. Poiss.* v. 573. *Jen. Man.* 409. *Yarr. in Linn. Trans.* xvii. 9.
Leuciscus dobula, *Cuv. R. A.* ii. 275. *Yarr. Brit. Fish.* i. 346. *Id.* 2 ed. i. 397. *Val. Hist. Nat. Poiss.* xvii. 172.
Tinca dobula, *Swains. Lard. Cycl. Fish.* ii. 285.
Squalius dobula, *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*
Dobule Roach, *Yarrell.*

Hab.—Fresh water.
Skin. River Annan. (Coll. Parnell).

*** Gardonus, *Bonap.*

3. Leuciscus rutilus. The Roach. B. M.

Cyprinus Rutilus, *Linn. Syst. Nat.* i. 529. *Faun. Suec.* 124. *Bloch, Ichth.* pl. 2. *Bloch, Schneid. Syst. Ichth.* 435. *Lacép. Poiss.* v. 575. *Don. Brit. Fish.* iii. pl. 67, ("Ritulus.") *Turton, Brit. Faun.* 108. *Jen. Man.* 408. *Yarr. Brit. Fish.* i. 348. *Id.* 2 ed. i. 399. *Wright, Fries & Ekstr. Skand. Fish.* 72, t. 15.
Leuciscus Rutilus, *Flem. Brit. An.* 188. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38. *Parn. Wern. Mem.* vii. 266. *Val. Hist. Nat. Poiss.* xvii. 130.
Tinca rutilus, *Swains. Lardn. Cycl. Fish.* ii. 285.
Gardonus (Pigus) rutilus, *Bonap. Cat. Met. Cipr. d'Eur.* 7. *Pesc. Eur.* 29.*
Roach, *Will. Hist. Pisc.* 262, tab. Q. 10, f. 5 *Penn. Brit. Zool.* iii. 319. *Id.* (edit. 1812), iii. 482.
Braise. *Scotland.*

Hab.—Fresh water.
Skins and in spirits. Near London. Presented by Messrs. Yarrell and Cole.
River Esk, Cumberland.
Loch Lomond and Lochmaben, Scotland.

4. Leuciscus Cephalus. Chub. B. M.

Cyprinus Cephalus, *Linn. Syst. Nat.* i. 527. *Jen. Man.* 411. *Wright, Fries & Ekstr. Skand. Fish.* 67, t. 13, ("Jeses.")
Cyprinus Jeses, *Don. Brit. Fish.* v. pl. 115.
Cyprinus Dobula, *Nilss. Syn. Pisc. Scand.* 26, (nec auct.)
Gardonus cephalus, *Bonap. Cat. Met. Cipr. d'Eur.* 8.
Gardonus (Cephalus) cephalus, *Bonap. Pesc. Eur.* 30.*
Leuciscus Cephalus, *Flem. Brit. An.* 187.
Leuciscus Dobula, *Schinz. Nouv. Mem. Soc. Helv.* i. 154. *Yarr. Brit. Fish.* i. 358. *Id.* 2 ed. i. 409.
Tinca cephalus, *Swains. Lardn. Cycl. Fish.* ii. 285.
Chub or chevin, *Will. Hist. Pisc.* 255, tab. Q. 4, f. 2.
Chub, *Penn. Brit. Zool.* iii. 322, pl. 73, n. 175. *Id.* (edit. 1812), iii. 485, pl. 84.
Skelly. *Local name in Cumberland.*

Hab.—Fresh water.
Skins. Cambridgeshire.
River Esk, Cumberland.
River Codbeck, Yorkshire.
River Annan, Scotland.

**** Leuciscus, *Bonap.*

5. Leuciscus leuciscus. The Dace. B. M.

Cyprinus Leuciscus, *Linn. Syst. Nat.* i. 528. *Bloch, Ichth.* pl. 97. *Bloch, Schneid. Syst. Ichth.* 440. *Lacép. Poiss.* v. 572. *Don. Brit. Fish.* iv. pl. 77. *Turton, Brit. Faun.* 109. *Jen. Man.* 410.

Leuciscus argenteus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38, 1835. *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Pesc. Eur.* 31.*

Leuciscus vulgaris, *Flem. Brit. An.* 187. *Val. Hist. Nat. Poiss.* xvii. 202. *Yarr. Brit. Fish.* i. 353. *Id.* 2 ed. i. 404.

Tinca Leuciscus, *Swains. Lardn. Cycl. Fish.* ii. 285.

Dace, *Will. Hist. Pisc.* 260, tab. Q. 10, f. 3. *Penn. Brit. Zool.* iii. 320. *Id.* (edit. 1812), iii. 483.

Dare, Dart. *Local names.*

Hab.—Fresh water.
Skins. River Codbeck.

6. Leuciscus Lancastriensis. The Graining.

Cyprinus Lancastriensis, *Shaw, Gen. Zool.* v. 234. *Jen. Man.* 411.

Cyprinus, Graining, *Walb. Artedi*, iii. 36.

Leuciscus Lancastriensis, *Yarr. in Linn. Trans.* xvii. 7, pl. 2, f. 1. *Val. Hist. Nat. Poiss.* xvii. 216. *Bonap. Cat. Met. Cipr. d'Eur.* 9. *Yarr. Brit. Fish.* i. 355. *Id.* 2 ed. i. 406.

Cyprinus Leuciscus, var. 2, *Turton, Brit. Faun.* 109.

Leuciscus Majalis, *Agassiz. Mem. Soc. Sc. Nat. Neuchatel*, i. 38, t. 1, f. 3, 4, 5, 6, 7? 1835.

Graining, *Pennant, Voyage to the Hebrides*, ii. *Penn. Brit. Zool.* iii. 321. *Id.* (edit. 1812), iii. 484.

Cyprinus Grislagine, var.? *Val. Hist. Nat. Poiss.* xvii. 224.

Hab.—Fresh water.
Lancashire.

***** Scardinius, *Bonap.*

7. Leuciscus erythrophthalmus. Rudd, or Red-Eye. B. M.

Cyprinus erythrophthalmus, *Linn. Syst. Nat.* i. 530. *Bloch, Ichth.* pl. 1. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 577. *Don. Brit. Fish.* ii. pl. 40. *Turton, Brit. Faun.* 108. *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, 38. *Jen. Man.* 412. *Wright, Fries & Ekstr. Skand. Fish.* 74, t. 17.

Barbus orfus, *Flem. Brit. An.* 186.
Cyprinus erythrops, *Pallas, Faun. Rosso-Asiat.* iii. 317.
Leuciscus erythrophthalmus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 107.
Scardinius erythrophthalmus, *Bonap. Icon. Faun. Ital.* iii. 146.* *Cat. Met. Cipr. d'Eur.* 10. *Pesc. Eur.* 32.*
Cyprinus compressus (junr.), *Holberg, Göth. Sällsk. n. Handl.* v. 66, f.
Rudd, or Finscale, *Will. Hist. Pisc.* 252, tab. Q. 3, f. 1.
Rud, *Penn. Brit. Zool.* iii. 318, pl. 72. *Id.* (edit. 1812), iii. 479, pl. 83.
Red-Eye, *Yarr. Brit. Fish.* i. 361. *Id.* 2 ed. i. 412.
Roud. *Norfolk.*
Finscale, Shallow. *Local names.*
HAB.—Fresh water.
Skins and in spirits. River Lea, Essex. Presented by John Doubleday, Esq.
Lochmaben, Dumfries. (Coll. Parnell).

8. LEUCISCUS CÆRULEUS. The Azurine. B. M.

Cyprinus cæruleus, *Jen. Man.* 413.
Leuciscus cæruleus, *Yarr. in Linn. Trans.* xvii. 8, pl. 2, f. 2.
Leuciscus prasinus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Scardinius? cæruleus, *Bonap. Cat. Met. Cipr. d'Eur.* 10. *Pesc. Eur.* 31.*
" L. azureus, *Yarrell*," *Agassiz, l. c.*
Azurine, *Yarr. Brit. Fish.* i. 365. *Id.* 2 ed. i. 416.
Blue Roach. *Lancashire.*

HAB.—Fresh water.
Lancashire. Presented by W. Yarrell, Esq.

****** Alburnus, *Heckel, Bonap.*

9. LEUCISCUS ALBURNUS. The Bleak. B. M.

Cyprinus Alburnus, *Linn. Syst. Nat.* i. 531. *Bloch, Ichth.* pl. 8, f. 4. *Bloch, Schneid. Syst. Ichth.* 437. *Lacép. Poiss.* v. 589. *Don. Brit. Fish.* i. pl. 18. *Turton, Brit. Faun.* 109. *Jen. Man.* 414. *Ekstr. in V. Wright, Skand. Fisk.* 203, t. 51.
Leuciscus Alburnus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 272, *Yarr. Brit. Fish.* i. 368. *Id.* 2 ed. i. 419.
Aspius alburnus, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. 38.
Aspius ochrodon, *Agassiz, l. c.*

Alburnus lucidus, *Heckel*, *Ann. Wien. Mus.* *Bonap. Cat. Met. Cipr. d'Eur.* 12. *Pesc. Eur.* 33.*
Bleak, *Will. Hist. Pisc.* 263, tab. Q. 10, f. 7. *Penn. Brit. Zool.* iii. 324, pl. 73. *Id.* (edit. 1812), iii. 487, pl. 84.
Blick. *Local name.*

Hab.—Fresh water.
In spirits. River Thames. Presented by W. Yarrell, Esq.

******* Phoxinus, *Agassiz*, *Bonap.*

10. Leuciscus Phoxinus. The Minnow. B. M.

Cyprinus Phoxinus, *Linn. Syst. Nat.* i. 528. *Bloch*, *Ichth.* pl. 8, f. 5. *Bloch*, *Schneid. Syst. Ichth.* 437. *Lacép. Poiss.* v. 571. *Don. Brit. Fish.* iii. pl. 60. *Turton*, *Brit. Faun.* 109. *Jen. Man.* 415.
Cyprinus Aphya, *Linn. Syst. Nat.* i. 528.
Cyprinus rivularis, *Pallas*, *Faun. Rosso-Asiat.* iii. 330.
Leuciscus Phoxinus, *Flem. Brit. An.* 188. *Val. Hist. Nat. Poiss.* xvii. 363. *Yarr. Brit. Fish.* i. 372. *Id.* 2 ed. i. 423. *Parn. Wern. Mem.* vii. 268.
Phoxinus lævis, *Agassiz*, *Mem. Soc. Sc. Nat. Neuchatel*, i. 37. *Bonap. Cat. Met. Cipr. d'Eur.* *Pesc. Eur.* 28.*
Pink, Minim, or Minow, *Will. Hist. Pisc.* 268, tab. Q. 8, f. 7.
Var. Phoxinus Marsilii, *Heckel*, *Ann. Wien. Mus.* i. 232.
Var. Cyprinus Lumaireul, *Bonelli.*
Var. Cyprinus chrysoprasius, *Nordm.*
Minow, *Penn. Brit. Zool.* iii. 326. *Id.* (edit. 1812), iii. 489.
Bagies. *Cumberland.*
Mennon. *Scotland.*

Hab.—Fresh water.
Skins and in spirits. River Nottar, Devon.
Skiddaw.

(Cobitidæ, Cobitini, *Bonap. Pesc. Eur.* 26.*)

7. COBITIS.

Cobitis, *Linn.*
Gobitis, p., *Flem. Brit. An.* 189.
Misgurnus, *Lacép.*

1. COBITIS BARBATULA. The Loach. B. M.

Cobitis barbatula, *Linn. Syst. Nat.* i. 499. *Bloch, Ichth.* pl. 31, f. 3. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 8. *Don. Brit. Fish.* i. pl. 22. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 189, ("Gobitis.") *Jen. Man.* 416. *Parn. Wern. Mem.* vii. 270. *Yarr. Brit. Fish.* i. 376. *Id.* 2 ed. i. 427. *Val. Hist. Nat. Poiss.* xvii. 14, t. 520. *Cuv. R. A.* ii. 276.
Loche, *Will. Hist. Pisc.* 265, tab. Q. 8, f. 1. *Penn. Brit. Zool.* iii. 247, pl. 58. *Id.* (edit. 1812), iii. 379, pl. 69.
Groundling, Beardie. *Local names.*

HAB.—Fresh water.

8. BOTIA.

Botia, *Gray, Zool. Misc.* 1830.
Cobitis, p., *L.*
Gobitis, p., *Fleming.*
Acanthopsis, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel,* i. 36, 1835.
Acanthophthalmus, *Kühl, MSS.* (*cited in Val. Hist. Nat. Poiss.* xviii. 4).

1. BOTIA TÆNIA. Spined Loach, or Groundling. B. M.

Cobitis Tænia, *Linn. Syst. Nat.* i. 499. *Bloch, Ichth.* pl. 31, f. 2. *Bloch, Schneid. Syst. Ichth.* 434. *Lacép. Poiss.* v. 9. *Gent. Mag.* 1798, p. 1013, fig. *Berken. Syn.* i. 79. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 189, ("Gobitis.") *Jen. Man.* 417. *Val. Hist. Nat. Poiss.* xviii. 58.
Cobitis barbatula aculeata, *Will. Hist. Pisc.* 265, tab. Q. 8, f. 3.
Botia tænia, *Gray, Zool. Misc.* 8. *Yarr. Brit. Fish.* i. 381. *Id.* 2 ed. i. 432.
Acanthopsis tænia, *Agassiz, Mem. Soc. Sc. Neuchatel,* i. 36. *Bonap. Pesc. Eur.* 26.*
Var. Cobitis caspia, *Eichwald.*
Spinous Loche, *Penn. Brit. Zool.* (edit. 1812), iii. 381.
Spined Loche, *Yarrell.*
Groundling. *Local name.*

HAB.—Fresh water. Presented by W. Yarrell, Esq.

Fam. II. ESOCIDÆ.

Esoces, *Cuv. R. A.* ii. 281.
Physostomi, Esoces, *Müll. Wiegm. Arch.* 102, 1845.
Siagonotes, *Dum. Zool. Anal.* 149, 1806.
Lepidopomes, p., *Dum. Zool. Anal.* 143, 1806.
Esocidi, *Rafin. Indice*, 34.
Esocidæ, *Flem. Brit. An.* 177. *Jen. Man.* 316. *Rich. Faun. Bor.-Amer.* 123. *Parn. Fish. Firth of Forth*, 112.
Esocii, *Latr. Fam. R. A.* 121.
Esocidæ, Esocini, *Bonap. Specchio Gen.* 8.
Esocinæ, *Swains. Lardn. Cycl. Fish.* ii. 186.
Heptapterygii, Abdominales, p., *Bloch, Schneid. Syst.* 49.
Pharyngognathi, Scomberesoces, p., *Müll. Wiegm. Arch.* 102, 1845.
Exocetidæ, Belonini, *Bonap. Pesc. Eur.* 80.

1. ESOX.

Esox, *Linn.*
Lucius, *Rafin.*

1. Esox Lucius. The Pike. B. M.

Esox Lucius, *Linn. Syst. Nat.* i. 516. *Bloch, Ichth.* pl. 32. *Bloch, Schneid. Syst. Ichth.* 390. *Lacép. Poiss.* v. 297. *Don. Brit. Fish.* v. pl. 109. *Turton, Brit. Faun.* 105. *Flem. Brit. An.* 184. *Cuv. R. A.* ii. 282. *Val. Hist. Nat. Poiss.* xviii. 279. *Rich. Faun. Bor.-Amer.* 124. *Jen. Man.* 417. *Wright, Fries & Ekstr. Skand. Fisk.* 49, t. 10. *Bonap. Pesc. Eur.* 25.* *Parn. Wern. Mem.* vii. 272. *Yarr. Brit. Fish.* i. 383. *Id.* 2 ed. i. 434.
Lucius vorax, *Rafin.*
Pike, *Will. Hist. Pisc.* 236, tab. P. 5, f. 2. *Penn. Brit. Zool.* iii. 280, pl. 63. *Id.* (edit. 1812), iii. 424, pl. 74.
Pickerell, Jack, Luce, Gedd. *Local names.*

Hab.—Fresh water.
Skins and in spirits. England. Presented by Messrs. J. and C. Grove.
Near London. Presented by S. F. Gray, Esq.
Thames. Presented by John Doubleday, Esq.
Lochmaben and Loch Scone, in Scotland.

2. BELONE.

Belone, *Cuv. R. A.* 284.
Esox, p., *Linn.*
Ramphistoma, *Rafin. Swains. Lardn. Cycl. Fish.* ii. 296.

1. BELONE VULGARIS. Gar-pike. B. M.

Belone vulgaris, *Flem. Brit. An.* 184. *Jen. Man.* 418. *Val. Hist. Nat. Poiss.* xviii. 399. *Parn. Wern. Mem.* vii. 274. *Yarr. Brit. Fish.* i. 391. *Id.* 2 ed. i. 442.
Belone acus, *Bonap. Icon. Faun. Ital.* iii. t. f. 1.
Esox Belone, *Linn. Syst. Nat.* i. 517. *Bloch, Ichth.* pl. 33. *Bloch, Schneid. Syst. Ichth.* 391. *Lacép. Poiss.* v. 308. *Don. Brit. Fish.* iii. pl. 64. *Turton, Brit. Faun.* 105.
Belone rostrata, *Faber, Fische Isl.* 152. *Bonap. Pesc. Eur.* 81.*
Ramphistoma vulgaris, *Swains. Lardn. Cycl. Fish.* ii. 297.
Horn-Fish or Gar-Fish, *Will. Hist. Pisc* 231, tab. P. 2, f. 4.
Gar-Pike, *Penn. Brit. Zool.* iii. 283, pl. 63, (Sea Pike). *Id.* (edit. 1812), iii. 429, pl. 74.
Gar-Fish, *Yarrell.*
Garrick, Green-bone, Horn-fish, Long-nose, Gorebill, Sea-needle, Sea-Pike, Mackerel-guide. *Local names.*

HAB.—Coast.
Skins. England.
Scotland, (Firth of Forth).

3. SCOMBERESOX.

Scomberesox, *Lacép. Poiss.* v. 344, 1803.
Sayris, *Rafin. Caratt.* 60, 1810.
Esox, p., *Bloch.*
Belone, p., *Jenyns.*

1. SCOMBERESOX SAURUS. Saury, or Skipper. B. M.

Belone Saurus, *Jen. Man.* 419.
Esox Saurus, *Walb. Artedi*, iii. 93. *Bloch, Schneid. Syst. Ichth.* 394. *Rackett in Linn. Trans.* vii. 60, tab. 5. *Turton, Brit. Faun.* 105. *Neill in Wern. Mem.* i. 541. *Don. Brit. Fish.* v. pl. 116.
Lacertus vel Saurus, *Will. Hist. Pisc.* 232.
Scomberesox Camperii, *Lacép. Poiss.* 345, t. 6, f. 3.

Sayris hians, *Rafin. Caratt.* 61, t. 9, f. 1?
Sauris Camperi, *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Pesc. Eur.* 81.*
Scomberesox Saurus, *Flem. Brit. An.* 184. *Yarr. Brit. Fish.* i. 446.
Scomberesox sauris, *Parn. Wern. Mem.* vii. 276.
Skipper (Cornubiensium), *Ray, Syn. Pisc.* 165.
Scombresox Camperi, *Val. Hist. Nat. Poiss.* xviii. 464, t. 551.
Saury Pike, *Penn. Brit. Zool.* iii. 284, pl. 64. *Id.* (edit. 1812), iii. 424, pl. 75. *Yarr. Brit. Fish.* i. 394. *Id.* 2 ed. i. 446.
Gowdnook, Gofnick, Egyptian Herring. *Scotland.*
Mackerel Garrick. *Cornwall.*

Hab.—Coast.
In spirits. Norfolk. Presented by Messrs. Oliffe and Cole.

4. HEMIRAMPHUS.

Hemiramphus, *Cuv. R. A.* ii. 285.
Esox, p., *Lacép.*
Belone (junr.), *Bonap. Pesc. Eur.* 81.*

1. Hemiramphus Europæus. European Hemiramphus.

Hemiramphus Europæus, *Yarr. Mag. Nat. Hist.* 505, 1837. *Id. Brit. Fish.* 2 ed. i. 450. *Jon. Couch, Zoologist*, 1848, p. 1978, *f. d. e.*
Esox Brasiliensis? *Couch, Linn. Trans.* xiv. 85. *Jen. Man.* 419.
Hemiramphus Richardi, var.?? *Val. Poiss.* xix.
Variété de l'Esoce Espadon, *Lacép. Poiss.* v. t. 7, f. 2?
Belone rostrata, (junr.), *Bonap. Pesc. Eur.* 81.*

Hab.—Coast, (occasional).

2? Hemiramphus obtusus.

Hemiramphus? obtusus, *Jon. Couch, Zoologist*, 1848, p. 1978, f. *a. b. c.*

Cornwall, (Mount's Bay).

5. EXOCÆTUS.

Exocætus, *Artedi, Gen. Pisc.* 8.
Exocetus, *Cuv.*

1. Exocætus volitans. The Winged Flying Fish.

Exocætus volitans, *Linn. Syst. Nat.* i. 520. *Lacép. Poiss.* v. 402. *Don. Brit. Fish.* ii. pl. 31. *Turton, Brit. Faun.* 106. *Jen. Man.* 420. *Yarr. Brit. Fish.* i. 398. *Id.* 2 ed. i. 453.
Exocætus evolans, *Bloch, Ichth.* pl. 398. *Val. Hist. Nat. Poiss.* xix. 138. *Bonap. Pesc. Eur.* 81.*
Winged Flying-Fish, *Penn. Brit. Zool.* iii. 292, pl. 67. *Id.* (edit. 1812), iii. 441, pl. 78.
Flying-Fish, *Yarrell.*
Hab.—Ocean, (occasionally found on the coast).

2. Exocætus exiliens. Greater Flying Fish.

Exocetus heterurus, *Rafin. Ind.*
Exocetus fasciatus? *Cocco, MSS.* (junr.), *Bonap.*
Hirundo, *Belon*, 195.
Mugil alatus, *Rondelet, Lat. Edit.* 267.
Hirondelle de Mer, *Duhamel*, pl. 2, sec. 3, pl. 22, f. 2.
Exocætus exiliens, *Bloch*, pt. 12, pl. 397. *Yarr. Brit. Fish.* 2 ed. i. 458. *Val. Hist. Nat. Poiss.* xix. 114.
The Greater Flying Fish, *Yarrell.*

Hab.—Ocean, (occasionally found on the coast).

Fam. III. SILURIDÆ.

Siluroides, *Cuv. R. A.* ii. 289, 1829.
Siluroideæ, *Rich. Faun. Bor.-Amer.* 132.
Oplophores, p., *Dum. Zool. Anal.* 141, 1806.
Siluridi, *Rafin. Indice*, 35.
Siluroides Glani, *Latr. Fam. R. A.* 124.
Siluridæ, *Jen. Man.* 317. *Gray, Syn. Brit. Mus.* 150, 1842.
Siluridæ, Silurini, *Bonap. Specchio Gen.* 8.
Heptapterygii Abdominales, p., *Bloch, Schneid. Syst.* 48.
Physostomi Siluroidei, *Müll. Wiegm. Arch.* 102, 1845.
Siluri, Siluridæ, Silurini, *Bonap. Pesc. Eur.* 37.*

1. SILURUS.

Silurus, *L.*

1. Silurus Glanis. Sheat Fish.

Silurus Glanis, *Linn. Syst. Nat.* i. 501. *Bloch, Ichth.* pl. 34. *Cuv. R. A.* ii. 291. *Jen. Man.* 421. *Yarr. Brit. Fish.* i. 403. *Id.* 2 ed. i. 461.

Sly Silurus, *Yarr. Brit. Fish.* i. 461.
Silurus sive Glanis, *Sibbald, Scotia Illustrata*, 25.

HAB.—Fresh water, (a very doubtful native).

Fam. IV. SALMONIDÆ.

Salmones, *Cuv. R. A.* ii. 301, 1829.
Dermopteres, *Dum. Zool. Anal.* 147, 1806.
Gymnopomes, p., *Dum. Zool. Anal.* 145.
Salmonidi, *Rafin. Indice*, 32.
Salmonidæ, *Gray, Syn. Brit. Mus.* 150, 1842. *Flem. Brit. An.* 177. *Jen. Man.* 317. *Parn. Fish. Firth of Forth*, 117.
Salmonoideæ, *Rich. Faun. Bor.-Amer.* 137.
Salmoninæ, *Swains. Lardn. Cycl. Fish.* ii. 185.
Salmonides Tutriformes, S. Characini, S. Cyprinosalmi, *Latr. Fam. R. A.* 119, 120.
Salmonidæ, Salmonini, S. Coregonini, *Bonap. Specchio Gen.* 8.
Heptapterygii, Abdominales, p., *Bloch, Schneid. Syst.* 49.
Physostomi, Salmones, Scopelini, *Müll. Wiegm. Arch.* 136, 1845.
Salmonoïdes, *Val. Hist. Nat. Poiss.* xxi. 153.
Scopelidæ, p., *Bonap. Specchio Gen.* 8.

1. SALMO.

Salmo, *Cuv. R. A.* ii. 302.
Salmo, p., *Linn.*
Salmo, Fario, Salar, *Val. Hist. Nat. Poiss.* xxi.

1. SALMO SALAR. Common Salmon. B. M.

Salmo Salar, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* pls. 20 & 98. *Bloch, Schneid. Syst. Ichth.* 398. *Lacép. Poiss.* v. 159. *Turton, Brit. Faun.* 103. *Flem. Brit. An.* 179. *Jard. in Edinb. New. Phil. Journ.* viii. 46. *Rich. Faun. Bor.-Amer. Fishes*, 140. t. 91, f. 1, (head of a run fish). *Jen. Man.* 421. *Yarr. Brit. Fish.* 2 ed. ii. 1. *Parn. Wern. Mem.* vii. 278, t. 32, f. 1. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel*, iii. tab. M. f. 16, (Anatomy).
Salmo Salmo, *Val. Hist. Nat. Poiss.* xxi. 169.
Salmo, *Will. Hist. Pisc.* 189, tab. N. 2, f. 1.
Salmo hamatus, p., *Agassiz, Report Brit. Assoc.* (nec auct.)
Salmo albus, p., *Val. l. c.* 207.
Salmo nobilis, *Pallas, Zoogr. Rosso-Asiat.* iii. 342.

Salmon, *Penn. Brit. Zool.* iii. 249, pl. 58, n. 143. *Id.* (edit. 1812), iii. 382, pl. 69.
Le Saumon, *Cuv. R. A.* ii. 302.
Smolt. *Young.*
Grilse. *Name on first return from sea.*

HAB.—Rivers and the sea.
Skins and stuffed. Rivers Dart and Tamar. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth and Solway. Dr. Parnell's collection.
River Annan. Presented by John Gould, Esq.

2. SALMO TRUTTA. Sea Trout. B. M.

Salmo Trutta, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* pl. 21. *Bloch, Schneid. Syst. Ichth.* 399. *Turton, Brit. Faun.* 103. *Cuv. R. A.* ii. 304. *Flem. Brit. An.* 180. *Jard. in Edinb. New. Phil. Journ.* xviii. 49. *Jen. Man.* 423. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel*, iii. t. D, f. 23, t. E. t. F. t. K. f. 3, 5, t. L. t. M. f. 19, t. O. f. 2—7, (Anatomy).
Trutta lacustris, *Will. Hist. Pisc.* 198, tab. N. 1, f. 5.
Truite saumonée, *Cuv. R. A.* ii. 304.
The Salmon Trout, *Yarr. Brit. Fish.* 2 ed. ii. 77. *Rich. Faun. Bor.-Amer. Fishes*, i. 140, (S. Schiefermulleri ?).
Jun. Salmo albus, *Walb. Artedi*, iii. 76. *Bloch, Schneid. Syst. Ichth.* 409. *Lacép. Poiss.* v. 219. *Flem. Brit. An.* 80. *Jard. in Edinb. New Phil. Journ.* xviii. 50. *Jen. Man.* 424.
Salmo Phinoc, *Turton, Brit. Faun.* 103.
White, *Penn. Brit. Zool.* iii. 264. *Id.* (edit. 1812), iii. 396.
Herling, *Jard. in Proceed. of Berwicksh. Nat. Club.* 50.
Salmo Cumberland, *Lacép. Poiss.* v. 696, 1803.
Salmo trutta (junr.), *Yarr. Brit. Fish.* 2 ed. ii. 77.
Salmo salmo (junr.), *Val. Hist. Nat. Poiss.* xxi. 207.
Hirling of the Nith, *Rich. Faun. Bor.-Amer. Fishes*, 141.
Whiting. *Cumberland.*
Phinoc. *Scotland.*
Lammasmen. *Edinburgh Market.*

HAB.—Sea and rivers.
Skins. Rivers Tamar, Erme, and Avon. S. Devon. Presented by Lieut. H. F. Spence, R. N.
Plymouth, Cawsand Bay and River Plym. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth, Solway Firth, Tweed, and N. Esk. Coll. Parnell.

3. Salmo Eriox. Bull Trout, or Grey. B. M.

Salmo Eriox, *Linn. Syst. Nat.* i. 509. *Turton*, *Brit. Faun.* 103. *Flem. Brit. An.* 180. *Jen. Man.* 422. *Parn. Wern. Mem.* vii. 288. *Yarr. Brit. Fish.* 2 ed. ii. 71.
Salmo Trutta Salar, *Lacép. Poiss.* v. 204.
Salmo Hucho, *Flem. Brit. An.* 179? (nec. auct.)
Salmo Cambricus, *Don. Brit. Fish.* iv. pl. 91.
Sewen or Sewin, *Donov. Tour, South Wales and Monmouthsh.* i. 237.
The Grey, *Will. Hist. Pisc.* 193. *Penn. Brit. Zool.* iii. 258. *Id.* (edit. 1812), iii. 394?
Salmo salar, var. a. *Bloch*, *Schneid. Syst. Ichth.* 399.
Fario argenteus, *Val. Hist. Nat. Poiss.* xxi. 294?
Sea Trout, *Penn. Brit. Zool.* iii. 296. *Id.* (edit. 1812), iii. 397.
Bull-trout or Roundtail. *Local name.*
Var. Salmon-spotted Bull-Trout, *Parn. Wern. Mem.* vii. 291, t. 32, f. 4.
Var. Few-spotted Bull-Trout, *Parn. Wern. Mem.* vii. 291, t. 33, f. 5.
Var. Thickly-spotted Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 6.
Var. Large-headed Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 7.
Var. Curved-spotted Bull-trout, *Parn. Wern. Mem.* vii. t. 33, f. 8.
Var. Salmon Bull-trout, *Parn. Wern. Mem.* t. vii. 33.*
Whitling. *Berwick.*
Var. Crescent-tailed Bull-trout, *Parn. Wern. Mem.* vii. t. 34, f. 9.
Var. Norway Bull-trout, *Parn. Wern. Mem.* vii. t. 34, f. 10.
Norway Trout. *Firth of Forth.*

Hab.—Sea and rivers.
Plymouth and Rivers Tamar, Tavy, Nottar, Dart, Erme, &c. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth and Solway Firth. Coll. Parnell. Presented by Dr. Parnell.

3.* Young of three preceding species. The Parr. B. M.

Salmo Salmulus, *Turton*, *Brit. Faun.* 104. *Jard. in Edinb. New. Phil. Journ.* xviii. 56. *Jen. Man.* 426. *Parn. Wern. Mem.* vii. 298, t. 30. *Will. Hist. Pisc.* 192, tab. N. 2, fig. 2.
Salmulus, *Ray*, *Syn. Pisc.* 63.
Salmo fario, var. γ. Samulus, *Walb. Artedi*, iii. 61.
Salmo Fario, var. b. Salmulus, *Bloch*, *Schneid. Syst. Ichth.* 400.
Salmo Trutta (junr.), *Flem. Brit. An.* 180.
Salmo Salar, (junr.) *Bonap. Pesc. Eur.* 22.*

Samlet and Parr, *Penn. Brit. Zool.* iii. 303, pl. 59, n. 148, and pl. 66, n. 78. *Id.* (edit. 1812), iii. 404, pls. 70, 77.
The Parr, *Yarr. Brit. Fish.* 2 ed. ii. 83. *Shaw, Trans. Roy. Soc. Edin.*
Hepper, Brandling, Fingerling. *Local names.*

HAB.—Rivers and the sea.
Rivers Plym, Erme, and Tamar. Presented by Lieut. H. F. Spence, R. N.
Firth of Forth, Tweed at Berwick, Rivers Teith, N. Esk, and Clyde. Coll. Parnell.
Yorkshire, River Sark. Coll. Parnell.

4. SALMO FARIO. Common Trout. B. M.

Salmo Fario, *Linn. Syst. Nat.* i. 509. *Bloch, Ichth.* t. 22, 23. *Turton, Brit. Faun.* 103. *Don. Brit. Fish.* iv. pl. 85. *Cuv. R. A.* ii. 304. *Flem. Brit. An.* 181. *Jard. Edinb. New. Phil. Journ.* xviii. 51. *Id. Brit. Sal.* t. 5—12. *Rich. Faun. Bor.-Amer.* 144, pl. 92, fig. 3, A. B. *Jen. Man.* 424. *Agassiz & Vogt, Mem. Soc. Sc. Nat. Neuchatel*, iii. t. A. f. 1, 2, 3, t. D. f. 9—22, t. G. t. H. t. J. t. K. f. 1, 2, t. M. f. 1—14, f. 17, 18, t. N. t. O. f. 1, f. 8—13, (Details of Anatomy). *Parn. Wern. Mem.* vii. 304, t. 30.
Salmo Trutta, *Lacép. Poiss.* v. 189, (nec auct).
Trutta fluviatilis, *Will. Hist. Pisc.* 199.
Salmo Fario, var. Forestensis, *Bloch, Schneid.* 400.
Salmo sylvaticus, *Schrank, Faun. Boica.*
Trout, *Penn. Brit. Zool.* iii. 260, pl. 59, n. 146.
River Trout, *Id.* (edit. 1812), iii. 399, pl. 70.
Salar Ausonii, *Val. Hist. Nat. Poiss.* xxi. 319.
Lo Trout, *Borlase, Cornwall*, 263, t. 26, f. 1.
Salmo Cornubiensis, *Walb. Artedi*, iii. 65. *Bloch, Schneid. Syst. Ichth.* 421.
The Common Trout, *Yarr. Brit. Fish.* 2 ed. ii. 85.
Burn Trout, *Rich. Faun. Bor.-Amer.* 144.
Var. Gillaroo Trout, *Sowerby, Brit. Misc.* t. 61.
Var. Salmo Levenensis, *Walker, Neill, Wern. Mem.* i. 541. *Yarr. Brit. Fish.* 2 ed. ii. 117.
Salmo cæcifer, *Parn. Wern. Mem.* vii. 306, t. 30.
The Lochleven Trout, *Yarrell.*
Salar Ausonii, var. *Val. Hist. Nat. Poiss.* xxi. 290.
Salmo fario, var.? *Bonap. Pesc. Eur.* 23.*

HAB.—Rivers and lakes.
Skins and in spirits. Plymouth and Rivers Erme, Dart, &c. Presented by Lieut. H. F. Spence, R. N.
Cornwall, "Loe Pool Trout." Coll. Parnell.
Yorkshire, Rivers Swale and Codbeck. Coll. Parnell.
Cumberland, River Sark. Coll. Parnell.
Buckinghamshire. Presented by John Gould, Esq.
Rivers Clyde, S. and N. Esk, Tweed and Annan, Firth of Forth and Loch Lomond. Coll. Parnell.
Var. *Levenensis.* Loch Leven. Coll. Parnell.

5. SALMO FEROX. Great Lake Trout. B. M.

Salmo ferox, *Wilson in Encycl. Brit.* (7th edit.), *Art.* 142, *Angling. Jardine, Edinb. New. Phil. Journ.* xviii. 55. *Id. Brit. Salm.* t. *Jen. Man.* 425.
Salmo lacustris, *Berkhenh. Syn.* i. 79?
Salar ferox, *Val. Hist. Nat. Poiss.* xxi. 338.

HAB.—Lakes. N. of Scotland.
Skin. Sutherland. Presented by James Wilson, Esq.

6. SALMO UMBLA. Charr. B. M.

Salmo Umbla, *Linn. Syst. Nat.* i. 511. *Bloch, Ichth.* pl. 101. *Bloch, Schneid. Syst. Ichth.* 402. *Cuv. R. A.* ii. 305. *Jen. Man.* 427. *Parn. Wern. Mem.* vii. 308. *Val. Hist. Nat. Poiss.* xvi. 233.
Salmo alpinus, *Walb. Artedi*, iii. 63. *Lacép. Poiss.* v. 203. *Don. Brit. Fish.* iii. pl. 61. *Turton, Brit. Faun.* 104. *Flem. Brit. An.* 180.
Salmo Carpio, p., *Walb. Artedi*, iii. 62.
Charr, *Penn. Brit. Zool.* iii. 267, pl. 60. *Id.* (edit. 1812), iii. 407, pl. 71.
Char, *Rich. Faun. Bor.-Amer.* 144, pl. 92, f. 5, A. B.
The Charr, *Yarr. Brit. Fish.* 2 ed. ii. 121.
Alpine Salmon, *Donovan.*
The Northern Charr, *Parnell.*
Case Charr. *Local name.*
Var. Salmo Salvelinus, *Linn. Syst. Nat.* i. 511. *Don. Brit. Fish.* v. pl. 112. *Turton, Brit. Faun.* 104. *Flem. Brit. An.* 180. *Jen. Man.* 428. *Val. Hist. Nat. Poiss.* xxi. 246.
Red-bellied Trout. *Local name.*

Var. Salmo Salmarinus, *Linn. Syst. Nat.* i. 511.

Hab.—Lakes.

Skins. Lakes of Cumberland, &c.

In spirits. Loch Dochart, Perthshire. Presented by James Wilson, Esq.

2. OSMERUS.

Osmerus, *Artedi*, *Gen. Pisc.* 10.
Salmo, p., *Linn.*

1. Osmerus Eperlanus. Smelt. B. M.

Osmerus Eperlanus, *Lacép. Poiss.* v. 229. *Flem. Brit. An.* 181. *Jen. Man.* 429. *Yarr. Brit. Fish.* 2 ed. i. 129. *Parn. Wern. Mem.* vii. 312. *Bonap. Pesc. Eur.* 24.*

Eperlanus Rondeletii et Schonfeldii, *Will. Hist. Pisc.* 202, tab. N. 6, f. 4.

Salmo Eperlanus, *Linn. Syst. Nat.* i. 511. *Bloch*, *Ichth.* pl. 28, figs. 1, 2. *Bloch, Schneid. Syst. Ichth.* 410. *Don. Brit. Fish.* ii. pl. 48. *Turton*, *Brit. Faun.* 104.

Salmo eperlanus, var. marinus, *Walb. Artedi*, iii. 57.

Salmo (Osmerus) Eperlanus, *Rich. Faun. Bor.-Amer.* 185.

Smelt, *Penn. Brit. Zool.* iii. 273, pl. 61, n. 151. *Id.* (edit. 1812), iii. 416, pl. 72.

Spirling, Sparling. *Local names. Scotland.*

Hab.—Coast.

Skins and in spirits. England. Presented by W. Yarrell, Esq.

Fifeshire. Coll. Leach.

Firth of Forth. Dr. Parnell.

2. Osmerus Hebridicus. The Hebridal Smelt.

Osmerus Hebridicus, *Yarr. Suppl. to Brit. Fishes. Id. Brit. Fish.* 2 ed. ii. 133.

Argentina Yarrelli, *Val. Hist. Nat. Poiss.* xxi. 418.

Argentina arctica, *Nilss.* var.? *Bonap. Pesc. Eur.* 24.*

Hab.—Firth of Clyde.

3. THYMALLUS.

Thymallus, *Cuv. R. A.* ii. 306.
Coregonus, p., *Lacép.*
Salmo, p., *Linn.*

1. THYMALLUS VULGARIS. Grayling. B. M.

Thymallus vulgaris, *Nilss. Prod. Ichth. Scand.* 13. *Jen. Man.* 430. *Yarr. Brit. Fish.* 2 ed. ii. 136.
Thymallus, *Will. Hist. Pisc.* 187, tab. N. 8.
Salmo Thymallus, *Linn. Syst. Nat.* i. 512. *Bloch, Ichth.* pl. 24. *Bloch, Schneid. Syst. Ichth.* 410. *Don. Brit. Fish.* iv. pl. 88. *Turton, Brit. Faun.* 104.
Coregonus Thymallus, *Lacép. Poiss.* v. 254. *Flem. Brit. An.* 181.
Thymallus vexillifer, *Agassiz, Mem. Soc. Sc. Nat. Neuchatel*, i. t. B. t. D. f. 5—8 (Anatomy). *Bonap. Pesc. Eur.* 23.*
Grayling, *Penn. Brit. Zool.* iii. 272, pl. 61, n. 150. *Id.* (edit. 1812), iii. 414, pl. 72.

HAB.—Rivers.
Skins and stuffed. River Tyne. Presented by T. A. Knight, Esq.
Otterbourne. Presented by R. C. Sewel, Esq., D.C.L.
River Swale, Yorkshire.

4. COREGONUS.

Coregonus, *Artedi, Gen. Pisc.* 9.
Salmo, p., *Linn.*
Tripteronotus, p., *Lacép.*

1. COREGONUS PENNANTII. The Gwiniad. B. M.

Coregonus Lavaretus, *Lacép. Poiss.* v. 245? *Flem. Brit. An.* 182. *Nilss. Prod. Ichth. Scand.* 15. *Jen. Man.* 431. *Yarr. Brit. Fish.* 2 ed. ii. 142.
Coregonus fera, *Cuv. R. A.* ii. 307? *Bonap. Pesc. Eur.* 24.*
Salmo Wartmanni, *Bloch, Ichth.* pl. 105?
Salmo Wartmanni, var. a. *Walb. Artedi*, iii. 78.
Salmo Lavaretus, *Turton, Brit. Faun.* 104, (nec L.)
Gwiniad, *Will. Hist. Pisc.* 183. *Penn. Brit. Zool.* iii. 316, pl. 62. *Id.* (edit. 1812), iii. 419, pl. 73.
Le Lavaret, *Cuv. R. A.* ii. 307?
Coregonus Pennantii, *Val. Hist. Nat. Poiss.* xxi. 507.
Schelly. *Ullswater.*

HAB.—Lakes.
Skin. Ullswater.

2. Coregonus clupeoides. The Powan. B. M.

Coregonus clupeoides, *Lacép. Poiss.* v. 698, 1803.
Coregonus La Cepedei, *Parnell, Annals of Nat. Hist.* i. 161. *Yarr. Brit. Fish*, 2 ed. ii. 151. *Bonap. Pesc. Eur.* 24.*
Coregonus Cepedii, *Val. Hist. Nat. Poiss.* xxi.
Coregonus lavaretus, p., *Flem. Brit. An.* 182.
Powan, Fresh-water Herring. *Local names.*

Hab.—Loch Lomond.
Skins. Dr. Parnell's collection.

3. Coregonus albula. The Vendace. B. M.

Salmo albula, *Ascanius, Ichth.* t. 29. *Bloch, Schneid. Syst. Ichth.* 411.
Coregonus Marænula, *Lacép. Poiss.* v. 262. *Jard. in Edinb. Journ. of Nat. and Geog. Sci.* iii. 4, pl. 1. *Jen. Man.* 432.
Salmo Marænula, *Bloch, Ichth.* pl. 28, f. 3 ? *Gmel. Linn.* i. pt. iii. 1381 ?
Vendace, *Knox, Trans. Roy. Soc. Ed.* xii. 503.
Coregonus Vandesius, *Rich. Faun. Bor.-Amer. Fishes*, 213.
Coregonus Willughbii, *Jard. Ill. Scot. Salm.* pl. 6. *Yarr. Brit. Fish.* 2 ed. ii. 146.
Coregonus Willughbyi, *Bonap. Pesc. Eur.* 24.*
Coregonus albula, *Val. Hist. Nat. Poiss.* xxi. 520.

Hab.—Dumfriesshire (Lochmaben).
Skins and in spirits. Presented by W. Yarrell, Esq., and from Dr. Parnell's collection.

4. Coregonus Pollan. The Pollan. B. M.

Coregonus Pollan, *Thomp. Proc. Zool. Soc. June* 9, 1835. *Jen. Man.* 432. *Yarr. Brit. Fish.* 2 ed. ii. 156. *Val. Hist. Nat. Poiss.* xxi. 502. *Bonap. Pesc. Eur.* 24.*
Pollan, *Harris, Hist. of the County of Down.*
"Coregonus microcephalus, *Parnell.*" *Bonap. Pesc. Eur.* 24.*

Hab.—Ireland (Lough Neagh).
Skin. Dr. Parnell's collection.

5. SCOPELUS.

Scopelus, *Cuv. R. A.* ii. 314.
Argentina, *Penn.*
Serpe, *Risso.*

1. SCOPELUS PENNANTI. Sheppy Argentine. B. M.

Scopelus Humboldtii, *Cuv. R. A.* ii. 315? *Jen. Man.* 433. *Yarr. Brit. Fish.* 2 ed. ii. 161, 167.
Scopelus borealis, *Nilss. Prod. Ichth. Scand.* 20. *Thomp. Ann. & Mag. Nat. Hist.* xx. 171. *Bonap. Pesc. Eur.* 36.*
Sheppy Argentine, *Penn. Brit. Zool.* iii. 286, pl. 65, 156, (nec L.)
Argentina sphyræna, *Turton, Brit. Faun.* 105.
Argentina Pennanti, *Walb. Artedi*, iii. 47, 1792.
Serpe Humboldti, *Risso, Ichth.* 358, t. 10, f. 38?

HAB.—Coast.
In spirits. Redcar, Yorkshire. Presented by T. S. Rudd, Esq.

Fam. V. CLUPEIDÆ.

Clupes, *Cuv. R. A.* ii. 316, 1829.
Heptapterygii Abdominales, p., *Bloch, Schneid. Syst.* 50.
Gymnopomes, p., *Dum. Zool. Anal.* 145, 1806.
Clupeidi, *Rafin. Indice*, 32.
Clupeadæ, *Flem. Brit. An.* 177.
Clupeoideæ, *Rich. Faun. Bor.-Amer.* 229.
Clupeides Nudicipites, *Latr. Fam. R. A.* 121, 1826.
Clupeidæ, *Jen. Man.* 318. *Gray, Syn. Brit. Mus.* 1842. *Parn. Fish. Firth of Forth*, 155.
Clupeidæ Clupeini, *Bonap. Specchio Gen.* 8.
Clupinæ, *Swains. Lardn. Cycl. Fish.* ii. 186.
Holostei, Lepidosteini, p., *Müll. Wiegm. Arch.* 137, 1845.
Sauroidei, p., *Troschel, Wiegm. Arch.* 245, 1844.

1. CLUPEA.

Clupea, *Cuv. R. A.* ii. 317.
Clupea, p., *L.*
Cyprinus, p., *Bloch, Schneid.*

1. Clupea Pilchardus. Pilchard. B. M.

Clupea Pilchardus, *Walb. Artedi*, iii. 38. *Bloch, Ichth.* pl. 406. *Bloch, Schneid. Syst. Ichth.* 425. *Don. Brit. Fish.* iii. pl. 69. *Turton, Brit. Faun.* 106. *Flem. Brit. An.* 183. *Jen. Man.* 437. *Yarr. Brit. Fish.* 2 ed. ii. 169. *Parn. Wern. Mem.* vii. 320.

Harengus minor, sive Pilchardus, *Will. Hist. Pisc.* 223, tab. P. 1, f. 1.

Pilchard, *Penn. Brit. Zool.* iii. 300, pl. 68, n. 161. *Id.* (edit. 1812), iii. 453.

Gipsy Herring, Crue Herring. *Scotland.*

Hab.—Coast.
In spirits. England. Presented by Mr. Edward Gerrard.
Cornwall. Presented by Mr. Joseph Priestley.

2. Clupea Harengus. Common Herring. B. M.

Clupea Harengus, *Linn. Syst. Nat.* i. 522. *Bloch, Ichth.* pl. 29, f. 1. *Bloch, Schneid. Syst. Ichth.* 422. *Lacép. Poiss.* v. 427. *Turt. Brit. Faun.* 106. *Flem. Brit. An.* 182. *Jen. Man.* 434. *Yarr. Brit. Fish.* 2 ed. ii. 183. *Parn. Wern. Mem.* vii. 315, t. 35.

Harengus, *Will. Hist. Pisc.* 219, t. P. 1, f. 2.

British Herring, *Penn. Brit. Zool.* iii. 294, pl. 68, n. 160.

Common Herring, *Penn.* (ed. 1812) iii. 444, pl. 79.

Yawling. *Local name of the young.*

Hab.—Coast.
In spirits. Firth of Forth.

3. Clupea Leachii. Leach's Herring.

Clupea Leachii, *Yarr. in Zool. Journ.* v. 278, pl. 12. *Id. in Proc. Zool. Soc.* 1831, p. 34. *Jen. Man.* 434. *Yarr. Brit. Fish.* 2 ed. ii. 193.

Clupea Leachi, *Bonap. Pesc. Eur.* 33.

Hab.—Coast.
Mouth of Thames and Medway.

4. Clupea Sprattus. Sprat. B. M.

Clupea Sprattus, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 29, f. 2. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 444. *Turt. Brit. Faun.* 107. *Jen. Man.* 435. *Yarr. Brit. Fish.* 2 ed. ii. 197. *Parn. Wern. Mem.* vii. 322, t. 35. *Bonap. Pesc. Eur.* 34.*
Sprattus, *Will. Hist. Pisc.* 221.
Sprat, *Penn. Brit. Zool.* iii. p. 303. *Id.* (ed. 1812), iii. 457.
Melet, Esprot ou Harenguet, *Cuv. Règ. Ann.* ii. 318.
Garvie Herring, Garvie. *Local names in Scotland.*

Hab.—Coast.
Devon. Firth of Forth.
In spirits. Specimens found in an arable field in Ross-shire. Presented by Thomas Allen, Esq.

5. Clupea macrocephala. Great-headed Sprat.

Clupea macrocephala, *Swains. Lardn. Cycl. Fish.* ii. 387.
Clupea Leachi? *Bonap. Pesc. Eur.* 33.*

Hab.—Coast.
Mersey, near Liverpool.

2. ROGENIA.

Rogenia, *Valenc. Hist. Nat. Poiss.* xx. 340, 1847.
Clupea, p., *Yarrell.*
Cyprinus, p., *Bloch, Schneid.*

1. Rogenia Esca. White-bait. B. M.

White-bait, *Penn. Brit. Zool.* iii. 371, pl. 69, n. 176. *Id.* (ed. 1812), iii. 465, pl. 80.
Cyprinus Esca, *Walb. Artedi*, iii. 36, 1792. *Bloch, Schneid. Syst. Ichth.* 446 (from *Penn.*).
Clupea latulus, *Cuv. Règ. An.* ii. 318.
Clupea alba, *Yarr. in Zool. Journ.* iv. 137, 465, pl. 5, f. 2. *Jen. Man.* 436. *Yarr. Brit. Fish.* 2 ed. ii. 202. *Parn. Wern. Mem.* vii. 325, t. 35. *Bonap. Pesc. Eur.* 34.*
Cyprinus alburnus, var., *Turt. Syst. Nat.* i. 885.

Clupea Alosa, jun. White-bait, *Don. Brit. Fish.* t. 98.
Rogenia alba, *Valenc. Hist. Nat. Poiss.* xx. 341, t. 598.

HAB.—Coast.
In spirits. Thames. Presented by W. Yarrell, Esq. and J. G. Children, Esq.
Firth of Forth. From Dr. Parnell's collection.

3. ALOSA.

Alosa, *Cuv. Règ. An.* ii. 319.
Clupea, p., *L.*

1. ALOSA FINTA. The Twaite Shad. B. M.

Clupea finta, *Cuv. Règ. An.* ii. 320. *Jen. Man.* 437. *Parn. Wern. Mem.* vii. 329.
Clupea Alosa, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 30, f. 1. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 447. *Don. Brit. Fish.* iii. pl. 57. *Turt. Brit. Faun.* 106. *Flem. Brit. An.* 183.
Alosa finta, *Yarr. Brit. Fish.* 2 ed. ii. 208.
Shad, *Will. Hist. Pisc.* 227, t. P. 3, f. 1. *Penn. Brit. Zool.* iii. 305, pl. 69, n. 164. *Id.* (ed. 1812) iii. 460, pl. 80. *Yarr. in Zool. Journ.* iv. 137, 465, pl. 5, f. 1.
Twaite Shad, *Yarr. Brit. Fish.* ii. 209.
Damin Herring. *Cornwall.*
Elf Herring, Rock Herring. *Scotland.*

HAB.—Coast and Rivers.
In spirits. Young, from the Thames. Presented by W. Yarrell, Esq. and J. G. Children, Esq.

2. ALOSA COMMUNIS. The Allis Shad.

Clupea Alosa, *Cuv. Règ. An.* ii. 319. *Jen. Man.* 438.
Allis, *Penn. Brit. Zool.* iii. 307.
Clupea communis, *Swains. Lardn. Cycl. Fish.* ii. 294.
Alosa communis, *Yarr. Brit. Fish.* 2 ed. ii. 213. *Parn. Wern. Mem.* vii. 330. *Bonap. Pesc. Eur.* p. 34,* fig. *Flem. Phil. of Zool.* pl. 3, f. 1.
Damin Herring. *Cornwall.*

HAB.—Coast and Rivers.

4. ENGRAULIS.

Engraulis, *Cuv. Règ. An.* ii. 322.
Encrasicholus, *Flem. Brit. An.* 183.
Clupea, p., *Linn.*

1. Engraulis Encrasicolus. The Anchovy.

Encrasicholus Encrasicolus, *Flem. Brit. An.* 183. *Cuv. Règ. An.* ii. 322. *Cuv. & Val. Poiss.* xxi. 7.
Engraulis Encrasicholus, *Jen. Man.* 439. *Yarr. Brit. Fish*, 2 ed. ii. 217. *Bonap. Pesc. Eur.* 34.
Clupea Encrasicolus, *Linn. Syst. Nat.* i. 523. *Bloch, Ichth.* pl. 30, f. 2. *Bloch, Schneid. Syst. Ichth.* 423. *Lacép. Poiss.* v. 455. *Don. Brit. Fish.* iii. pl. 50. *Turt. Brit. Faun.* 107.
Engraulis vulgaris, *Cuv. Bonap.*
Var. Engraulis meletta, *Cuv.*
Encrasicholus, *Will. Hist. Pisc.* 225, t. P. 2, f. 2.
Anchovy, *Penn. Brit. Zool.* iii. 304, pl. 67, n. 163. *Id.* (ed. 1812), iii. 441, pl. 78.

Hab.—Coast.

5. LEPISOSTEUS.

Lepisosteus, *Lacép. Poiss.* v. 331.
Lepidosteus, *Auct.*
Esox, p., *Linn.*

1. Lepisosteus osseus. The Bony Pike.

Lepisosteus Gavial, *Lacép. Poiss.* v. 333. *Jen. Man.* 439.
Esox osseus, *Linn. Syst. Nat.* i. 516. *Bloch, Ichth.* pl. 390. *Berk. Syn.* i. 81. *Turt. Brit. Faun.* 105. *Don. Brit. Fish.* v. 100.

Native of North America. (Introduced into the Fauna by mistake).

Sub-order II. M. SUBBRACHIATA.

Decapterygii Jugulares, p., *Bloch*, *Schneid. Syst.* 23.
Octopterygii Jugulares, p., *Bloch*, *Schneid. Syst.* 27.
Malacopterygiens subbrachiens, *Cuv. Règ. An.* ii. 330, 1829.
Malacopterygii subbrachiati, *Rich. Faun. Bor.-Amer.* xii.
Subbrachiata, *Latr. Fam. R. A.* 125.
Subbrachiales, *Jen. Man.* 319.
Anacanthini, *Müll. Wiegm. Arch.* 136, 1845.

Fam. VI. GADIDÆ.

Gadoides, *Cuv. Règ. An.* ii. 330, 1829.
Gadoideæ, *Rich. Faun. Bor.-Amer.* 241.
Auchenopteres, p., *Dum. Zool. Anal.* 117, 1806.
Gadini, *Rafin. Indice*, 11, 1810.
Gadusidæ, *Flem. Brit. An.* 178.
Gadites, *Latr. Fam. R. A.* 125.
Gadidæ, *Jen. Man.* 319. *Gray*, *Syn. Brit. Mus.* 1842. *Parn. Fish. Firth of Forth*, 173. *Swains. Lardn. Cycl. Fish.* 188.
Gadidæ Gadini, G. Lotini, *Bonap. Specchio Gen.* 10, 1845.

1. MORRHUA.

Morhua, *Flem. Brit. An.* 190.
Gadus, p., *Linn.*

1. MORRHUA CALLARIAS. Common Cod. B. M.

Gadus Morrhua, *Linn. Syst. Nat.* i. 436. *Bloch*, *Ichth.* pl. 64. *Bloch*, *Schneid. Syst. Ichth.* 7. *Lacép. Poiss.* ii. 369. *Turt. Brit. Faun.* 89. *Don. Brit. Fish.* v. pl. 106. *Jen. Man.* 440. *Parn. Wern. Mem.* vii. 334. *Bonap. Pesc. Eur.* 45.*
Asellus major vulgaris, *Will. Hist. Pisc.* 165, t. L, M, 1, n. 1, f. 4.
Gadus Callarias, *Ekstrom in V. Wright Skand. Fisk.* t. 47.
Morhua vulgaris, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 221.
Common Cod-fish, *Penn. Brit. Zool.* iii. 152. *Id.* (ed. 1812) iii. 231.

Deformed var.? Lord-fish, *Yarr. Brit. Fish.* ii. 229.
The Keeling. *Local name.*
Jun. Gadus Callarias, *Linn. Syst. Nat.* i. 436. *Bloch, Ichth.* pl. 63. *Bloch, Schneid. Syst. Ichth.* 6. *Lacép. Poiss.* ii. 409. *Berk. Syn.* i. 67. *Turt. Brit. Faun.* 89. *Nilss. Prodr. Ichth. Scand.* 40. *Jen. Man.* 441. *Bonap. Pesc. Eur.* 45. *Ekstr. in V. Wright Skand. Fisk.* 191, t. 47.
Morhua Callarias, *Flem. Brit. An.* 191, t. 47.
Asellus varius vel striatus, *Will. Hist. Pisc.* 172, t. L, M, 1, n. 1, f. 1.
Gadus barbatus, *Linn. Syst. Nat.* i. 437. *Faun. Suec.* 112.
Variable Cod-fish, *Penn. Brit. Zool.* (ed. 1812) iii. 239.
Le Dorsch, *Cuv. Règ. An.* ii. 332.
Morrhua callarias, *Cuv.*
The Dorse, *Yarr. Brit. Fish.* 2 ed. ii. 231.

Hab.—Sea.
English Coast.
Skins and in spirits. Firth of Forth.
Mouth of Tweed. Presented by Dr. George Johnston.

2. Morrhua Æglefinus. The Haddock. B. M.

Gadus Æglefinus, *Linn. Syst. Nat.* i. 435. *Bloch, Ichth.* pl. 62. *Bloch, Schneid. Syst. Ichth.* 6. *Lacép. Poiss.* ii. 397. *Don. Brit. Fish.* iii. pl. 59. *Turt. Brit. Faun.* 89. *Jen. Man.* 441. *Wright, Fries & Ekstr. Skand. Fisk.* 86, t. 19.
Onos, *Will. Hist. Pisc.* 170, t. L, M, 1, n. 2.
Morhua Æglefinus, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 233. *Parn. Wern. Mem.* vii. 337.
Merlangus Æglefinus, *Bonap. Pesc. Eur.* 45.*
Hadock, *Penn. Brit. Zool.* iii. 158. *Id.* (ed. 1812) iii. 241.
Var. Gadus punctatus, *Turt. Brit. Faun.* i. 90.
Morhua punctatus, *Flem. Brit. An.* 192.
Haddy. *Scotland.*

Hab.—Coast.
Skins. Scotland and England.

3. Morrhua lusca. Bib and Pout. B. M.

Gadus luscus, *Jen. Man.* 442. *Bonap. Pesc. Eur.* 45.*
Gadus luscus et barbatus, *Linn. Syst. Nat.* i. 437. *Turt. Brit. Faun.* 90.

Gadus barbatus, *Bloch, Ichth.* 166. *Bloch, Schneid. Syst. Ichth.* 7.
Gadus bib, *Lacép. Poiss.* ii. 403.
Gadus tacaud, *Lacép. Poiss.* ii. 410.
Gadus luscus, *Bloch, Schneid. Syst. Ichth.* 8, t. 2. *Don. Brit. Fish.* i. pl. 19.
Morhua lusca, M. barbata, *Flem. Brit. An.* 191.
Morrhua lusca, *Yarr. Brit. Fish.* 2 ed. ii. 237. *Parn. Wern. Mem.* vii. 340.
Bib and Blinds (Cornubiensibus), Asellus luscus, *Will. Hist. Pisc.* 169.
Asellus mollis latus, *Id. App.* 22, t. L, M, 1, n. 4.
Pout and Bib, *Penn. Brit. Zool.* iii. 161, 162, pl. 30. *Bib.* 6. (ed. 1812) iii. 246, 247, pl. 34.
Smeltie. *Zetland.*
Kleg. *Scarborough.*
Bleus and Blinds. *Devonshire and Cornwall.*
Whiting Pout. *Local name.*
Brassie. *Scotland.*
Miller's Thumb. *Wales.*

Hab.—Sea.
Skins and in spirits. Coast of England. Presented by Mr. Edward Gerrard.

4. Morrhua minuta. Poor.

Gadus minutus, *Linn. Syst. Nat.* i. 438. *Bloch, Ichth.* pl. 67, f. 1. *Bloch, Schneid. Syst. Ichth.* 7. *Turt. Brit. Faun.* 90. *Jen. Man.* 444. *Bonap. Pesc. Eur.* 45.* *Wright, Fries & Ekstr. Skand. Fisk.* 78, t. 17.
Gadus capelanus, *Lacép. Poiss.* ii. 411.
Asellus mollis minor, *Will. Hist. Pisc.* 171, t. L, M, 1, n. 1, f. 2.
Gadus luscus, *Nilss. Syn.* 41 (nec auct).
Morhua minuta, *Flem. Brit. An.* 191. *Yarr. Brit. Fish.* 2 ed. ii. 241.
Poor or Power, *Jago in Ray's Syn. Pisc.* 163, f. 6.
Poor, *Penn. Brit. Zool.* iii. 163, pl. 30, n. 77. *Id.* (ed. 1812) iii. 249, pl. 34.
Bibben Pout. *Cornwall.*

Hab.—Coast.

2. MERLANGUS.

Merlangus, *Risso*, *Eur. Mer.* iii. 227.
Gadus, p., *Linn.*
Pollachius, p., *Nilss. Bonap.*
Merlangus, p., *Nilss. Bonap.*

1. Merlangus vulgaris. Whiting. B. M.

Merlangus vulgaris, *Flem. Brit. An.* 195. *Jen. Man.* 445. *Yarr. Brit. Fish.* 2 ed. ii. 244. *Parn. Wern. Mem.* vii. 342. *Bonap. Pesc. Eur.* 45.*
Gadus Merlangus, *Linn. Syst. Nat.* i. 438. *Bloch*, *Ichth.* pl. 65. *Bloch*, *Schneid. Syst. Ichth.* 9. *Lacép. Poiss.* ii. 424. *Turt. Brit. Faun.* 91. *Don. Brit. Fish*, ii. pl. 36. *Wright*, *Fries & Ekstr. Skand. Fisk.* 81, t. 18.
Asellus mollis major seu albus, *Will. Hist. Pisc.* 170, t. L, M, 1, n. 5.
Whiting, *Penn. Brit. Zool.* iii. 167. *Id.* (ed. 1812) iii. 255.

Hab.—Coast.
Skins and in spirits. England. Presented by William Yarrell, Esq.
Firth of Forth.

2. Merlangus albus. Couch's Whiting.

Gadus albus, *Risso*, *Ichth. Nice*, 115.
Merlangus albus, *Yarr. Brit. Fish.* 2 ed. ii. 247.
Merlangus poutassou, *Risso*, *Hist.* iii 227. *Couch*, *Zoologist*, 1847, 1824.
Pollachius poutassou, *Bonap. Pesc. Eur.* 45.*

Hab.—Coast. Cornwall.

3. Merlangus carbonarius. Coal Fish. B. M.

Merlangus carbonarius, *Flem. Brit. An.* 195, (p.) *Jen. Man.* 446, (p.) *Yarr. Brit. Fish.* 2 ed. ii. 250, (p.) *Parn. Wern. Mem.* vii. 345.
Gadus carbonarius, *Linn. Syst. Nat.* i. 438. *Bloch*, *Ichth.* pl. 66. *Bloch*, *Schneid. Syst. Ichth.* 9. *Don. Brit. Fish.* i. pl. 13. *Turt. Brit. Faun.* 91. *Ekstr. in V. Wright*, *Skand. Fisk.* 195, t. 48.

Gadus (Merlangus) carbonarius, *Rich. Faun. Bor. Amer.* 247.
Gadus colinus, *Lacép. Poiss.* ii. 416.
Asellus niger, *Will. Hist. Pisc.* 168, t. L, M, 1, n. 3.
Pollachius carbonarius, *Bonap. Pesc. Eur.* 45.*
Coal Fish, *Penn. Brit. Zool.* iii. 164, pl. 31, n. 78. *Id.* (ed. 1812) iii. 250, pl. 35.
Sillock, Pittock, Cooth or Kuth, Harbin, Cudden, Colmey, Sethe, Sey, Grey Lord. *Local names.*
Podley (young). *Firth of Forth.*
Coalsey, Poodlers (young). *Newcastle.*
Parr, Billet. *Scarborough.*
Rauning Pollack, Rauner. *Cornwall.*
Junr. Merlangus virens, *Flem. Brit. An.* 195. *Jen. Man.* 447. *Yarr. Brit. Fish.* 2 ed. ii. 256. *Parn. Wern. Mem.* vii. 349.
Gadus virens, *Linn. Syst. Nat.* i. 438. *Bloch, Schneid. Syst. Ichth.* 9. *Neill in Wern. Mem.* i. 532.
Gadus sey, *Lacép. Poiss.* ii. 417.
Green Cod, *Penn. Note to Brit. Zool.* (ed. 1776). *Penn. Brit. Zool.* (ed. 1812). iii. 253.
Pollachius virens, *Bonap. Pesc. Eur.* 45.
Gadus carbonarius, jun., *Ekstr. in V. Wright, Skand. Fisk.*
Merlangus carbonarius, jun., *Couch*, (*Yarrell, l. c.* 257).

Hab.—Coast.
Skins. Specimens from English Coast.

4. Merlangus pollachius. Pollack. B. M.

Merlangus pollachius, *Flem. Brit. An.* 195. *Jen. Man.* 446. *Yarr. Brit. Fish*, 2 ed. ii. 253. *Parn. Wern. Mem.* vii. 347.
Gadus pollachius, *Linn. Syst. Nat.* i. 439. *Bloch, Ichth.* pl. 68. *Bloch, Schneid. Syst. Ichth.* 10. *Lacép. Poiss.* ii. 417. *Don. Brit. Fish.* i. pl. 7. *Turt. Brit. Faun.* 91. *Wright, Fries & Ekstr. Skand. Fisk.* 89, t. 20.
Gadus polachius, *Walb. Artedi*, iii. 127.
Asellus Huitingo-pollachius, *Will. Hist. Pisc.* 167.
Pollachius typus, *Bonap. Pesc. Eur.* 45.*
Pollack, *Penn. Brit. Zool.* iii. 166. *Id.* (ed. 1812) iii. 254.
Whiting, Pollack, Lythe. *Scotland.*
Leet. *Scarborough.*

Hab.—Coast.
In spirits. Specimen from Polperro. Presented by Jonathan Couch, Esq.

3. MERLUCCIUS.

Merluccius, *Rafin. Caratt.* 25, 1810.
Merlucius, *Risso*, *Eur. Mer.* iii. 220.
Gadus, p., *Linn.*

1. MERLUCCIUS VULGARIS. Common Hake. B. M.

Merluccius vulgaris, *Flem. Brit. An.* 195. *Jen. Man.* 447. *Sundev. in Wright*, *Skand. Fisk.* 145, t. 33 ("M. argentatus"). *Yarr. Brit. Fish.* 2 ed. ii. 258. *Parn. Wern. Mem.* vii. 350. *Bonap. Pesc. Eur.* 44.*
Gadus Merluccius, *Linn. Syst. Nat.* i. 439. *Bloch*, *Ichth.* pl. 164. *Bloch*, *Schneid. Syst. Ichth.* 10. *Don. Brit. Fish.* ii. pl. 28. *Turt. Brit. Faun.* 91.
Gadus Merlucius, *Lacép. Poiss.* ii. 446.
Merlucius esculentus, *Risso*, *Eur. Mer.* iii. 220 ?
Merluccius borealis, *Swains. Lardn. Cycl. Fish.* ii. 300.
Asellus primus, *Will. Hist. Pisc.* 174, t. L, M, 2, n. 1.
Hake, *Penn. Brit. Zool.* iii. 168. *Id.* (ed. 1812) iii. 257.

HAB.—Coast.
Skin. Firth of Forth.

4. LOTA.

Lota, *Cuv. Règ. An.* ii. 333.
Lotta, *Risso*, *Eur. Mer.* iii. 217.
Gadus, p., *L.*
Phycis, p., *Rafin.*
Enchelyopus, p., *Bloch*, *Schneid.*
Molva, *Flem. Brit. An.* 192.

1. LOTA MOLVA. Ling. B. M.

Gadus molva, *Linn. Syst. Nat.* i. 439. *Bloch*, *Ichth.* pl. 69. *Lacép. Poiss.* ii. 432. *Turt. Brit. Faun.* 91. *Don. Brit. Fish.* v. pl. 102.
Lota molva, *Jen. Man.* 448. *Yarr. Brit. Fish.* 2 ed. ii. 264. *Parn. Wern. Mem.* vii. 352. *Bonap. Pesc. Eur.* 44.*
Asellus longus, *Will. Hist. Pisc.* 175, t. L, M, 2, n. 2.
Enchelyopus molva, *Bloch*, *Schneid. Syst. Ichth.* 51.

Molva vulgaris, *Flem. Brit. An.* 192.
Ling, *Penn. Brit. Zool.* iii. 173. *Id.* (ed. 1812) iii. 262.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. LOTA VULGARIS. Burbot. B. M.

Lota vulgaris, *Jen. Man.* 448. *Yarr. Brit. Fish.* 2 ed. ii. 267. *Sundev. in Wright, Skand. Fisk.* 170, t. 41. *Bonap. Pesc. Eur.* 44.*
Gadus Lota, *Linn. Syst. Nat.* i. 440. *Ascanius Icon.* t. 28. *Bloch, Ichth.* 70. *Lacép. Poiss.* ii. 435. *Turt. Brit. Faun.* 91. *Don. Brit. Fish.* iv. pl. 92.
Enchelyopus Lota, *Bloch, Schneid. Syst. Ichth.* 52.
Mustela fluviatilis, *Will. Hist. Pisc.* 125, t. H, 3, f. 4.
Molva Lota, *Flem. Brit. An.* 192.
Burbot, *Penn. Brit. Zool.* iii. 175. *Id.* (ed. 1812) iii. 265.
Coney-fish, Birdbolt, Eelpout. *Local name.*
Lotte commune, *Cuv. Règ. An.* ii. 334.

HAB.—Rivers and Lakes.
Skins and in spirits. England. Presented by J. E. Gray, Esq.

5. MOTELLA.

Motella, *Cuv. Règ. An.* ii. 334.
Gadus, p., *L.*
Onos, *Risso, Eur. Mer.* iii. 214.
Enchelyopus, p., *Bloch, Schneid.*
Petrophilus, *Leach, MSS.*

1. MOTELLA TRICIRRATA. Three-bearded Rock-Ling. B. M.

Gadus tricirratus, *Bloch, Ichth.* pl. 165. *Don. Brit. Fish.* i. pl. 2. *Turt. Brit. Faun.* 92. *Flem. Brit. An.* 193.
Motella tricirrata, *Nilss. Prodr. Ichth. Scand.* 48. *Jen. Man.* 449. *Bonap. Pesc. Eur.* 43.*
Enchelyopus mediterraneus, *Bloch, Schneid.* 52.
Gadus mustela, *Cuv. Règ. An.* 334.
Mustela marina, Rock-Ling, *Jago in Ray's Syn. Pisc.* 164, f. 9.

Three-bearded Cod, *Penn. Brit. Zool.* iii. 176, pl. 33, n. 87. *Id.* (ed. 1812) iii. 267, pl. 36.
Petrophilus vulgaris, *Leach*, *MSS.*
Motella vulgaris, *Cuv. Règ. An.* ii. 334. *Yarr. Brit. Zool.* 2 ed. ii. 270. *Parn. Wern. Mem.* vii. 354.
Sea Loche, Whistle-fish. *Local names.*
Hab.—Coast.
Falmouth and South Devon.
Skins and in spirits. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. Motella cimbria. Four-bearded Rock-Ling. B. M.

Gadus cimbrius, *Linn. Syst. Nat.* 440, sp. 16. *Lacép. Poiss.* ii. 442. *Retz. Faun. Suec.* 323.
Enchelyopus cimbricus, *Bloch*, *Schneid. Syst. Ichth.* 50, t. 9.
Motella cimbrica, *Nilss. Prodr. Ichth. Scand.* 48, sp. 2. *Bonap. Pesc. Eur.* 43.*
Motella cimbria, *Parn. Wern. Mem.* vii. 449, pl. 44. *Yarr. Brit. Fish.* 2 ed. ii. 274.

Hab.—Coast.
In spirits. Presented by Dr. Melville.

3. Motella mustela. Five-bearded Rock-Ling. B. M.

Gadus mustela, *Linn. Syst. Nat.* i. 440. *Don. Brit. Fish.* i. pl. 14. *Turt. Brit. Faun.* 92. *Flem. Brit. An.* 193.
Enchelyopus mustela, *Bloch*, *Schneid.* 52.
Mustela vulgaris, *Will.* 121.
Five-bearded Cod, *Penn. Brit. Zool.* iii. 177, pl. 33, n. 88. *Id.* (ed. 1812) iii. 268, pl. 36.
Petrophilus quinquecirratus, *Leach*, *MSS.*
Motella mustela, *Nilss. Prodr. Ichth. Scand.* 49. *Jen. Man.* 450. *Bonap. Pesc. Eur.* 43.*
Motella quinquecirrata, *Cuv. Règ. An.* ii. 334, *Note.* *Yarr. Brit. Fish.* 2 ed. ii. 278. *Parn. Wern. Mem.* vii. 355.
Sea Loache, Whistle-fish, Brown-whistler, Rock-ling. *Local names.*

Hab.—Coast.
Skins and in spirits. Brighton. Presented by J. G. Children, Esq.
Polperro. Presented by Jonathan Couch, Esq.
Saltash, Devon. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth. Presented by Dr. Parnell.

4. MOTELLA ARGENTEOLA. Silvery Gade. B. M.

Gadus argenteolus, *Mont. Wern. Mem.* ii. 449. *Flem. Brit. An.* 193. *Jen. Man.* 451.
Motella argenteola, *Yarr. Brit. Fish.* 2 ed. ii. 283. *Bonap. Pesc. Eur.* 43.*
Var? Motella glauca, *Jen. Man.* 451. *Yarr. Brit. Fish.* 2 ed. ii. 281. *Bonap. Pesc. Eur.* 43.*
Midge (Ciliata glauca), *Couch in Loud. Mag. of Nat. Hist.* v. 15, f. 2, p. 741. *Zool. Journ.* i. 132.
Midgen, Mackerel Medge. *Cornwall.*

HAB.—Coast.
In spirits. Polperro. Presented by Jonathan Couch, Esq.
Cornwall. Presented by W. Yarrell, Esq.

6. BROSMIUS.

Brosmius, *Cuv. Reg. An.* ii. 334.
Brosmus, *Flem. Brit. An.* 194.
Gadus, p., *Linn.*
Blennius, p., *Lacép.*
Enchelyopus, p., *Bloch, Schneid.*

1. BROSMIUS BROSME. Torsk.

Brosmus vulgaris, *Flem. Brit. An.* 194. *Jen. Man.* 452. *Yarr. Brit. Fish*, 2 ed. ii. 285. *Parn. Wern. Mem.* vii. 357.
Gadus Brosme, *Gmel. Linn.* i. pt. iii. 1175. *Bloch, Schneid. Syst. Ichth.* 9. *Lacép. Poiss.* ii. 450. *Don. Brit. Fish.* iii. pl. 70. *Turton, Brit. Faun.* 92. *Nilss. Prod. Ichth. Scand.* 47.
Gadus Brosme, var. *a. Walb. Artedi*, iii. 142.
"Gadus Keila, *Olafs.*" *Bonap.*
Blennius Torsk, *Lacép. Poiss.* ii. 508.
Enchelyopus Brosme, *Bloch, Schneid. Syst. Ichth.* 50.
Brosmius Scotica, *Swains. Lardn. Cycl. Fish.* ii. 301.
Gadus lub, *Euphras. Nya Handl. Stockh.* xv. f. 8?
Torsk, *Penn. Brit. Zool.* iii. 178, pl. 34. *Id.* (edit. 1812), iii. 269. pl. 37. *Low, Faun. Orc.* 200.
Brismack, Lump, Tusk. *Local names.*

HAB.—Northern Seas.

7. PHYCIS.

Phycis, *Artedi. Cuv. Règ. An.* ii. 335.
Physcis, *Flem. Brit. An.*
Blennius, p., *Risso.*

1. Phycis bifurcus. Forked Hake. B. M.

Physcis furcatus, *Flem. Brit. An.* 193.
Phycis furcatus, *Jen. Man.* 452. *Yarr. Brit. Fish.* 2 ed. ii. 289. *Bonap. Pesc. Eur.* 42.*
Phycis blennoides, *Nilss. Prod. Ichth. Scand.* 49.
Blennius gadoides, *Risso, Ichth.* 136?
Asellus Callarias, *Will. Hist. Pisc.* 205. *Ray, Syn. Pisc.* 75.
Gadus albidus, *Gmel. Syst. Nat.* i. 1171.
Barbus major, *Jago, in Ray, Syn. Pisc.* 163, f. 7.
Blennius Phycis, *Linn. Syst. Nat.* 442. *Shaw, Gen. Zool.* iv. 172. *Turton, Brit. Faun.* 93.
Gadus bifurcus, *Walb. Artedi*, iii. 137 (1792).
Forked Hake, *Penn. Brit. Zool.* iii. 170, pl. 31, No. 82. *Id.* (edit. 1812), iii. 259, pl. 35.
Greater forked Beard, *Couch, in Linn. Trans.* xiv. pl. 75.
Hake's dame. *Cornwall.*

Hab.—Coast.
Stuffed. Liverpool. Presented by J. P. George Smith, Esq.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

8. RANICEPS.

Raniceps, *Cuv. Règ. An.* ii. 336.
Gadus, p., *Müller.*
Phycis, p. *Bloch, Schneid.*
Batrachoides, p., *Lacép.*
Batrachocephalus, *Hollb.*

1. Raniceps fuscus. Trifurcated Hake. B. M.

Raniceps trifurcatus, *Flem. Brit. An.* 194. *Jen. Man.* 453. *Parn. Wern. Mem.* vii. 359, t. 36. *Yarr. Brit. Fish.* 2 ed. ii. 292 (copied from Parnell.)
Phycis fusca, *Bloch, Schneid. Syst. Ichth.* 57.

Blennius trifurcatus, *Shaw*, *Gen. Zool.* iv. 174. *Turton*, *Brit. Faun.* 93.
Raniceps Jago, *Flem. Brit. An.* 194.
Blennius tridactylus, *Lacép. Poiss.* ii. 484.
Gadus trifurcus, *Walb. Artedi.* iii. 139.
Trifurcated Hake, *Penn. Brit. Zool.* iii. 172, pl. 32.
Batrachoides trifurcatus, *Gent. Mag. June*, 1809.
Trifurcated Tadpole-Fish, *Pennant* (ed. 1812), *Brit. Zool.* iii. 272, pl. 38.
Gadus raninus, *Müll. Zool. Dan.* t. 45.
Batrachocephalus Blennioides, *Hollb. Göth. Vet. Sällsk. n. Handl.* iii. 39, f.
Raniceps niger, *Nilss. Syn.* 50. *Wright*, *Fries and Ekstr. Skand. Fisk.* 92, t. 21.
Raniceps fuscus, *Bonap. Pesc. Eur.* 46.*
Tommy Noddy. *Cornwall.*
Var. Raniceps Jago, *Flem. Brit. An.* 194. *Jen. Man.* 454.
Gadus minimus, *Walb. Artedi*, iii. 143.
Barbus minor (The Lesser Forked-Beard), *Jago*, *in Ray's Syn. Pisc.* 164, f. 8. *Couch in Linn. Trans.* xiv. 75.
Blennius Raii, *Bloch*, *Schneid.* 171.
Least Hake, *Penn. Brit. Zool.* iii. 171. *Id.* (edit. 1812), iii. 261.

Hab.—Coast.
In spirits. Berwick Bay. Presented by Dr. George Johnston.
In spirits. Polperro, Cornwall. Presented by Jonathan Couch, Esq.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

Fam. VII. PLEURONECTIDÆ.

Poissons plats, *Cuv. Règ. An.* ii. 337 (1829).
Platessoideæ, *Richardson*, *Faun. Bor.-Amer.* 255.
Heptapterygii Jugulares, p., *Bloch*, *Schneid. Syst.* 34.
Heterosomes, *Dumeril*, *Zool. Anal.* 133 (1806).
Pleronetti, *Rafin. Indice*, 14.
Pleuronectidæ, *Flem. Brit. An.* 178. *Gray*, *Syn. Brit. Mus.* 1842. *Jen. Man.* 320. *Swains. Lardn. Cycl. Fish.* ii. 187. *Parn. Fish. Firth of Forth*, 201.
Heterosomata, *Bonap. Specchio Gen.* 9. *Pesc. Eur.* 47.*
Pleuronectidæ, Soleidæ, *Bonap. Specchio Gen.* 9.
Diprosopa, *Latr. Fam. Règ. An.* 126.
Ctenoïdes, p., *Agassiz*, *Poiss. Foss.* iv. (1834).
Gastronectæ, *Gottsche*, *Wiegm. Arch.* 1835, 133.
Pleuronectides, *Müll. Wiegm. Arch.* 1845, 136.

1. PLATESSA.

Platessa, *Cuv. Règ. An.* ii. 338.
Pleuronectes, p., *Linn.*

* Platessa, *Bonap. Pesc. Eur.* p. 48.*
Glyptocephalus, p. *Gottsche. Wiegm. Arch.* 1835.

1. Platessa vulgaris. The Common Plaice. B. M.

Platessa vulgaris, *Flem. Brit. An.* 198. *Jenyns, Man.* 454. *Yarr. Brit. Fish.* 2nd edit. ii. 297. *Parn. Wern. Mem.* vii. 361, t. 37. *Bonap. Pesc. Eur.* 48.*
Pleuronectes Platessa, *Linn. Syst. Nat.* t. 1, p. 456. *Bloch, Ichth.* pl. 42. *Bloch, Schneid. Syst. Ichth.* 144. *Lacép. Poiss.* iv. 628. *Don. Brit. Fish.* i. pl. 6. *Turt. Brit. Faun.* 96.
Passer Bellonii, *Will. Hist. Pisc.* 96, t. F. 3.
Var.? Pleuronectes borealis, *Fab. Isis*, 1828?
Var.? Platessa Pseudoflesus, *Gottsche, Wiegm. Arch.* 1835, 135, 143?
Plaise, *Penn. Brit. Zool.* iii. 199. *Id.* (edit. 1812), iii. 304.
Diamond Plaice. *Local variety. Sussex.*
Fluke. *Scotland.*
Dutch Plaise. *Local name.*

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. Platessa Flesus. The Flounder. B. M.

Platessa Flesus, *Flem. Brit. An.* 198. *Jen. Man.* 455. *Yarr. Brit. Fish.* 2nd edit. ii. 303, 320 (Skeleton). *Parn. Wern. Mem.* vii. 363, t. 37. *Bonap. Pesc. Eur.* 48.*
Pleuronectes Flesus, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 44. *Bloch, Schneid. Syst. Ichth.* 146. *Lacép. Poiss.* iv. 633. *Don. Brit. Fish.* iv. pl. 94. *Turt. Brit. Faun.* 96.
Var. Pleuronectes passer, *Bloch*, t. 50.
Var. Pleuronectes roseus, *Shaw, Nat. Misc.* vii. pl. 238. *Zool.* iv. t. 43.*
Passer fluviatilis, *Will. Hist. Pisc.* 98, t. F. 5.

Flounder, *Penn. Brit. Zool.* iii. 200. *Id.* (edit. 1812), iii. 307.
Butt. *Yarmouth.*
Fluke, Mayock Fleuke, Fresh-water Fluke, Mud Flounder. *Local names.*

HAB.—Coast and Rivers.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

3. PLATESSA POLA. The Pole. B. M.

Platessa Pola, *Cuv. Règ. An.* ii. 339. *Jen. Man.* 458. *Parn. Wern. Mem.* vii. 370, t. 38. *Yarr. Brit. Fish.* 2 edit. ii. 315. *Bonap. Wiegm. Arch.* 1835, 157.
Craig Fluke, *Parn. Edinb. New Phil. Journ.* No. 37, July, 1835, 210.
Pleuronectes Saxicola, *Fab. Isis*, 1828, 877.
Glyptocephalus Saxicola, *Gottsche*, *Wiegm. Arch.* 1835, 156.
Pleuronectes nigromanus, *Nilss. Prod. Ichth. Scand.* 55?
Craig-fluke. *Firth of Forth.*
French Sole. *Local name.*

HAB.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Brixham and Firth of Forth. (Coll. Parnell).
County Down, Ireland. Presented by W. Thompson, Esq.

4. PLATESSA ELONGATA. The Long Flounder.

Platessa elongata, *Yarr. Supp. Brit. Fishes. Brit. Fish.* 2 edit. ii. 318. *Bonap. Pesc. Eur.* 48.*

HAB.—Coast.

** Cynoglossa, *Bonap. Pesc. Eur.* 48.*
Microstomus, *Gottsche*, *Wiegm. Arch.* 1835, 150.

5. PLATESSA LÆVIS. The Small-headed Dab. B. M.

Platessa microcephalus, *Flem. Brit. An.* 198. *Jen. Man.* 457. *Parn. Wern. Mem.* vii. 366, t. 38.
Pleuronectes cynoglossus, *Linn. Syst. Nat.* i. 456?

Pleuronectes microcephalus, *Don. Brit. Fish.* ii. pl. 42. *Turt. Brit. Faun.* 96.
Pleuronectes lævis, *Turt. Brit. Faun.* 96.
Platessa quadridens, *Fab. Isis*, 1828, 884.
Platessa microstomus, *Nilss. Prod. Ichth. Scand.* 53?
Microstomus latidens, *Gottsche, Weigm. Arch.* 1835, 150.
Cynoglossa microcephala, *Bonap. Pesc. Eur.* 48.*
Cynoglossa microstoma? *Bonap. MSS.*
Rhombus lævis Cornubiensis maculis nigris (A Kitt), *Jago in Ray's Syn. Pisc.* 162, f. 1.
Lemon Dab, Smooth Dab, *Yarr. Brit. Fish.* 2 edit. ii. 309.
Small-headed or Smear Dab, *Donovan.*
Smear Dab, *Penn. Brit. Zool.* iii. 230, but not pl. 41, No. 106.
Smear Dab, (Pleuronectes lævis), *Hanmer, MSS.* (edit. 1812), iii. 309, pl. 47.
New species of Sole, *Edinb. New Phil. Journ.* No. 37, July, 1835, 209.
Sandfleuk, Marysole, Town Dab. *Scotland.*
Queen or Queen-fish. *Penzance.*

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth.

*** Limanda, *Bonap. Pesc. Eur.* 48.*
Hippoglossoides, *Gottsche, Wiegm. Arch.* 1835, 168.*
Limanda, *Gottsche, l. c.* 160.

6. Platessa Limanda. The Dab. B. M.

Platessa Limanda, *Flem. Brit. An.* 198. *Jen. Man.* 456. *Yarr. Brit. Fish.* 2 ed. ii. 307. *Parn. Wern. Mem.* vii. 365, t. 37.
Pleuronectes Limanda, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 46. *Bloch, Schneid. Syst. Ichth.* 145. *Lacép. Poiss.* 621. *Don. Brit. Fsh.* ii. *pl.* 44. *Turt. Brit. Faun.* 96. *Sundev. in Wright, Skand. Fisk.* 150, 34.
Limanda vulgaris, *Gottsche, Wiegm. Arch.* 1835, 160.
Limanda oceanica, *Bonap. Pesc. Eur.* 48.*
Passer asper sive squamosus, *Will. Hist. Pisc.* 97, tab. F. 4.
Dab, *Penn. Brit. Zool.* iii. 201. *Id.* (edit. 1812), 308.
Saltie, Salt-water Fluke. *Edinburgh.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth. (Coll. Parnell).

7. PLATESSA LIMANDOIDES. Long rough Dab. B. M.

Pleuronectes Limandoides, *Bloch*, *Ichth.* pl. 186. *Bloch*, *Schneid. Syst. Ichth.* 146. *Gmel. Linn.* i. pt. iii. 1232. *Lacép. Poiss.* iv. 635. *Nilss. Prod. Ichth. Scand.* 57.
Platessa Limandoides, *Parn. Wern. Mem.* vii. 368, t. 38. *Yarr. Brit. Fish.* 2 ed. ii. 312. *Jen. Man.* 459.
Pleuronectes Linguatula, *Müll. Prodr.* 377.
Pleuronectes limandanus, *Parn. Edinb. New Phil. Journ.* No. 37, July, 1835, 210.
Hippoglossoides Limanda, *Gottsche*, *Weigm. Arch.* 1835, 168.
Long rough Dab, *Yarrell.*
Sand sucker. *Scotland.*
Sand fleuk, Long fleuk. *Local names.*

HAB.—Coast.
Skins. Brixham and Firth of Forth.

2. HIPPOGLOSSUS.

Hippoglossus, *Cuv. Règ. An.* ii. 340
Pleuronectes, *Linn.*

1. HIPPOGLOSSUS VULGARIS. The Holibut. B. M.

Hippoglossus vulgaris, *Flem. Brit. An.* 199. *Jen. Man.* 460. *Yarr. Brit. Fish.* 2 ed. ii. 321. *Parn. Wern. Mem.* vii. 372.
Pleuronectes Hippoglossus, *Linn. Syst. Nat.* i. 456. *Bloch*, *Ichth.* pl. 47. *Bloch*, *Schneid. Syst. Ichth.* 147. *Lacép. Poiss.* iv. 601. *Don. Brit. Fish.* iv. pl. 75. *Turton*, *Brit. Faun.* 95. *Nilss. Prod. Ichth. Scand.* 57.
Hippoglossus maximus, *Gottsche*, *Wiegm. Arch.* 1835, 164.
Hippoglossus gigas, *Swains. Lardn. Cyc. Fish.* ii. 302. *Bonap. Pesc. Eur.* 47.*
Hippoglossus, *Will. Hist. Pisc.* 99, tab. F. 6.
Holibut, *Penn. Brit. Zool.* iii. 198. *Id.* (edit. 1812), iii. 302.

HAB.—Coast.
Skin. England.
Firth of Forth.

3. PSETTA.

Rhombus, *Cuv. Règ. An.* ii. 340 (not *Lacép.*)
Pleuronectes, *Linn.*
Scophthalmus, *Rafin.*
Bothus, *Rafin. Caratt.* 23.
Psetta, *Swains. Lardn. Cycl. Fish.* ii. 302. *Bonap. Pesc. Eur.* 49.*

1. Psetta maxima. The Turbot. B. M.

Pleuronectes maximus, *Linn. Syst. Nat.* i. 459. *Bloch, Ichth.* pl. 49. *Bloch, Schneid. Syst. Ichth.* 153. *Don. Brit. Fish.* ii. pl. 46. *Flem. Brit. An.* 196. *Jen. Man.* 461.
Pleuronectes turbot, *Lacép. Poiss.* iv. 645.
Pleuronectes tuberculatus, *Shaw, Gen. Zool.* iv. 312. *Turton, Brit. Faun.* 97.
Bothus imperialis, *Rafin. Caratt.* 23.
Scophthalmus maximus, *Rafin. Indice*, 14.
Rhombus aculeatus, *Gottsche, Wiegm. Arch.* 1835, 172.
Psetta maximus, *Swains. Lardn. Cycl. Fish.* ii. 302.
Psetta maxima, *Bonap. Pesc. Eur.* 49.*
Rhombus maximus asper non squamosus, *Will. Hist. Pisc.* 94, tab. F. 2.
Turbot, *Penn. Brit. Zool.* iii. 204. *Id.* (edit. 1812), iii. 315, pl. 49.
Rhombus maximus, *Cuv. Règ. An.* ii. 341. *Bonap. Icon. Faun. Ital.* 24,* t. f. 2. *Yarr. Brit. Fish.* 2 ed. ii. 324. *Parn. Wern. Mem.* vii. 373.
Rawn fleuk, Bannock fleuk, Gunner fleuk. *Scotland.*
Pleuronectes Cyclops, *Don. Brit. Fish.* iv. t. 90. Young fry, *Yarr.* ii. 329

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. Psetta Rhombus. The Brill. B. M.

Pleuronectes Rhombus, *Linn. Syst. Nat.* i. 458. *Bloch, Ichth.* t. 43. *Lacép. Poiss.* iv. 649. *Don. Brit. Fish.* iv. pl. 95. *Sow. Brit. Misc.* pl. 50. *Turton, Brit. Faun.* 97. *Flem. Brit. An.* 196. *Jen. Man.* 462.

Rhombus non aculeatus squamosus, *Will. Hist. Pisc.* 95, tab. F. 1.
Bothus Rumolo, *Rafin. Caratt.* 23.
Scophthalmus Rhombus, *Rafin. Indice*, 14.
Rhombus lævis. *Gottsche*, *Wiegm. Arch*, 1835, 175. *Bonap. Icon. Faun. Ital.* iii. 23,* t. f. 2.
Psetta rhombus, *Bonap. Pesc. Eur.* 49.*
Rhombus barbatus, *Risso*, *Eur. Mer.* iii.
Pearl, *Penn. Brit. Zool.* iii. 208. *Id.* (edit. 1812), iii. 321, pl. 50.
Rhombus vulgaris, *Cuv. Règ. An.* ii. 341. *Yarr. Brit. Fish.* 2 ed. ii. 331. *Parn. Wern. Mem.* vii. 375.
Brill, Pearl, Kite, Brett, Bonnet-fluke. *Local names.*
Pleuronectes arenarius, *Ström.-Gron. Zooph.* 74.
Pleuronectes lioderma, *Nardo. Prodr. Ichth. Adr.* 132.

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N. Firth of Forth.

4. ZEUGOPTERUS.

Zeugopterus, *Gottsche*, *Wiegm. Arch.* 1835, 178.
Scophthalmus, *Bonap. Pesc. Eur.* 49.*
Pleuronectes, *Müller.*
Rhombus, *Yarrell.*

1. Zeugopterus hirtus. The Black hairy Flounder. B. M.

Pleuronectes hirtus, *Müll. Zool. Dan.* 36, tab. 103. *Jen. Man.* 463. *Sund. in Wright*, *Skand. Fisk.* 119.
Pleuronectes lævis, *Shaw*, *Gen. Zool.* iv. 299?
"Smear Dab," *Penn. Brit. Zool.* iii. pl. 41, No. 106.
Pleuronectes Kitt, *Bloch*, *Schneid. Syst. Ichth.* 162.
Top-knot Flounder (Pleuronectes punctatus), *Hanmer*, *Penn. Brit. Zool.* (edit. 1812), iii. 322, pl. 51.
Zeugopterus hirtus, *Gottsche*, *Wiegm. Arch.* 1835, 178.
Scophthalmus hirtus, *Bonap. Pesc. Eur.* 49.*
Whiff, *Couch in Linn. Trans.* xiv. 78.
Rhombus hirtus, Müller's Topknot, *Yarr. Brit. Fish.* 2 ed. ii. 334. *Parn. Wern. Mem.* vii. 376. *Ross*, *Zool.* 1843, 106, f.
Browny. *Cornwall.*
Little black hairy fluke. *Edinburgh Market.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. Zeugopterus punctatus. The Spotted Top-knot. B. M.

Pleuronectes punctatus, *Bloch, Ichth.* pl. 189? *Bloch, Schneid. Syst. Ichth.* 155? *Flem. Wern. Mem.* ii. 241. *Phil. Zool.* iii. f. 2. *Brit. An.* 196. *Jen. Man.* 462.
Pleuronectes Cardina, *Cuv. Règ. An.* ii. 341? *Sundev. in V. Wright, Skand. Fisk.* 200, t. 50.
Rhombus unimaculatus, *Risso, Hist.* iii. 252?
Rhombus punctatus, *Yarr. Brit. Fish.* 2 ed. ii. 338.
Scophthalmus punctatus, *Bonap. Pesc. Eur.* 49.

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

5. PLEURONECTES.

Pleuronectes, p., *Linn.*
Pleuronectes, *Bonap. Pesc. Eur.* 47.*
Rhombus, p., *Yarrell.*

1. Pleuronectes megastoma. The Whiff. B. M.

Pleuronectes Megastoma, *Don. Brit. Fish.* iii. pl. 51 (1804). *Turt. Brit. Faun.* 97. *Flem. Brit. An.* 196. *Jen. Man.* 465. *Yarr. Brit. Fish.* 2 ed. ii. 342.
Pleuronectes, sp. 30, *Walb. Artedi*, iii. 120.
Passer Cornubiensis (A Whiff), *Jago, in Ray's Syn. Pisc.* 163, f. 2.
Pleuronectes megastomus, *Bonap. Pesc. Eur.* 47.*
Whiff, *Penn. Brit. Zool.* iii. 209.
Pleuronectes pseudopalus, *Hanmer, MSS. Id.* (2 edit. 1812), iii. 324, pl. 52.
Carter, or Lantern-fish, *Couch, in Linn. Trans.* xiv. 78.
Carter. *Cornwall.*
Lantern-fish. *Local name.*
Merrysole. *Cornwall.*

Hab.—Coast.

2. Pleuronectes Laterna. The Scald-fish. B. M.

Pleuronectes Arnoglossus, *Turton, Brit. Faun.* 97.
Pleuronectes Arnglossus, *Flem. Brit. An.* 197. *Bonap. Faun. Ital.* iii. t. f. 3? *Jen. Man.* 465.

Arnoglossus, vel Solea lævis, *Will. Hist. Pisc.* 102, tab. F. 8, f. 7?
Smooth Sole, *Penn. Brit. Zool.* iii. 204.
Pleuronectes diaphanus, *Shaw, Gen. Zool.* iv. 309.
Pleuronectes Laterna, *Walb. Artedi*, iii. 121.
Pleuronectes casurus, Scald-Fish Flounder, *Hanmer, MSS. Id.* (ed. 1812), iii. 325, pl. 53.
Pleuronectes Leotardi, *Risso, Ichth. Nice.* 318.
Rhombus nudus, *Risso, Hist.* iii. 251.
Pleuronectes pellucidus, *Nardo. Prodr. Ichth. Adr.* sp. 134.
Rhombus Arnoglossus, *Yarr. Brit. Fish.* 2 ed. ii. 345.
Pleuronectes casurus, *Bonap. Pesc. Eur.* 47.*
Megrim. *Cornwall.*

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

6. SOLEA.

Solea, *Cuv. Reg. An.* ii. 342.
Pleuronectes, p., *Linn.*

1. Solea vulgaris. The Common Sole. B. M.

Solea vulgaris, *Flem. Brit. An.* 197. *Jen. Man.* 467. *Gottsche, Wiegm. Arch.* 1835, 182. *Bonap. Icon. Faun. Ital.* 26, t. f. 1—2. *Yarr. Brit. Fish.* 2 ed. ii. 347. *Parn. Wern. Mem.* vii. 378.
Pleuronectes Solea, *Linn. Syst. Nat.* i. 457. *Bloch, Ichth.* pl. 45. *Bloch, Schneid. Syst. Ichth.* 146. *Lacép. Poiss.* iv. 623. *Don. Brit. Fish.* iii. pl. 52. *Turton, Brit. Faun.* 96. *Ekstr. in Wright, Skand. Fish.* 165, t. 39.
Solea buglossa, *Rafin. Ind. Itt. Sic.* sp. 45.
Buglossus, seu Solea, *Will. Hist. Pisc.* 100, tab. F. 7.
Sole, *Penn. Brit. Zool.* iii. 203. *Id.* (edit. 1812), 311.
Var. Solea radiata, *Risso, Eur. Mer.* iii.

Hab.—Coast.
Skins, and in spirits. England. Presented by J. E. Gray, Esq.
British Channel (pale variety). Presented by Messrs. Oliffe and Cole.
Saltash. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth.

2. Solea Pegusa. The Lemon Sole. B. M.

Solea Pegusa, *Yarr. Zool. Journ.* iv. 467, pl. 16. *Jen. Man.* 467, *Yarr. Brit. Fish.* 2 ed. ii. 351. *Bonap. Pesc. Eur.* 50.*
Pleuronectes pegusa, *Lacép. Poiss.* iv. 635?
French Sole. *Sussex Coast.*
Sand Sole. *Devon Coast.*

Hab.—Coast.
Skins and in spirits. South of England. Presented by W. Yarrell, Esq.
Brixham. Presented by Dr. Parnell.
Plymouth Fish-market. Presented by Lieut. H. F. Spence, R.N.

7. MONOCHIR.

Monochir, *Cuv. Règ. An.* ii. 343.
Monochirus, *Yarrell.*
Pleuronectes, p., *Linn.*
Microchirus, *Bonap. Pesc. Eur.* 50.*

1. Monochir variegatus. The Variegated Sole. B. M.

Pole panachée, *Duhamel*, sect. ix. pl. 2, f. 3.
Pleuronectes lingula, Red-backed Flounder, *Hanmer, MSS. Penn. Brit. Zool.* (edit. 1812), iii. 313, pl. 48.
Pleuronectes variegatus, Variegated Sole, *Don. Brit. Fish.* pl. 117, (1807).
Pleuronectes microchirus, *Delar. Ann. Mus.*
Solea variegata, Variegated Sole, *Flem. Brit. An.* 197.
Solea Mangilii (*Risso*). *Bonap. Icon. Faun. Ital.* iii. 27,** t. f. 3.
Pleuronectus fasciatus, *Nardo.*
Monochirus variegatus, *Thomps. Ann. Nat. Hist.* ii. 404. *Yarr. Brit. Fish.* ii. 353.
Microchirus lingula, *Bonap. Pesc. Eur.* 50.

Hab.—Coast.
Skins. Plymouth. (Mus. Leach).
Plymouth. Presented by Lieut. H. F. Spence, R.N.
Brixham. Presented by Dr. Parnell.

2. MONOCHIR LINGUATULA. The Little Sole. B. M.

Solea Lingula, *Jen. Man.* 468.
Pleuronectes Linguatula, *Linn. Syst. Nat.* i. 457?
Solenette, *Duhamel*, sect. ix. pl. 2, f. 1—2.
Solenette, or Little Sole, *Yarr. Brit. Fish.* ii. 355.
Rhombus luteus, *Risso*, *Eur. Mer.* iii.
Microchirus luteus, *Bonap. Pesc. Eur.* 50.*
Monochirus minutus, *Parn. Mag. Zool. & Botany*, i. 527.
Solea parva, sive Lingula, *Rondel. Pisc.* 324. *Will. Hist. Pisc.* 102, tab. F. 8, f. 1.
Monochirus linguatulus, *Cuv. Règ. An.* ii. 343. *Thomps. Ann. Nat. Hist.* ii. 405. *Yarr. Brit. Fish.* 2 ed. ii. 355.
Red Sole. *Local name.*

HAB.—Coast.
In spirits. Brighton. Presented by J. G. Children, Esq.

Fam. VIII. CYCLOPTERIDÆ.

Discoboles, *Cuv. R. A.* ii. 344 (1829).
Discobola, *Latr. Fam. R. A.* 127.
Plecopteres, *Dum. Zool. Anal.* 109 (1806).
Hendecapterygii, p., *Bloch*, *Schneid. Syst. Ichth.* 1 (1801).
Heptapterygii, Thoracici, p., *Bloch*, *Schneid. Syst.* 37.
Percæ, p., *Bonap. Specchio Gen.*
Blennii, Cyclopteridæ, *Bonap. Pesc. Eur.* 64.*
Discoboli, *Rich. Faun. Bor.-Amer.* 260. *Jenyns*, *Manual*, 321. *Parn. Fish. Firth of Forth*, 220.
Cyclopteridæ, *Gray*, *Syn. Brit. Mus.* 1842, 150. *Swains. Lard. Cycl. Fish.* ii. 197.
Cyclopteridæ, Cyclopterini, *Bonap. Specchio Gen.* 10.
Cyclopodi, Discoboli, *Müll. Wiegm. Arch.* 1843, 297.
Gobioidei, p., *Müll. Weigm. Arch.* 1845, 130.

1. LEPADOGASTER.

Lepadogaster, *Gouan.*
Cyclopterus, p., *Shaw.*
Gobiesox, p., *Lacép.*
Piescephalus, p., *Rafin.*
Rupisuga, p., *Swains.*

1. Lepadogaster rostratus. The Cornish Sucker. B. M.

Lepadogaster Cornubiensis, *Flem. Brit. An.* 189. *Jen. Man.* 469.
Lepidogaster Cornubiensis, *Yarr. Brit. Fish.* 2 ed. ii. 359.
Cyclopterus lepadogaster, *Walb. Artedi*, vii. 490.
Lepadogaster rostratus, *Bloch*, *Schneid. Syst. Ichth.* 1.
Cyclopterus Cornubicus, *Shaw*, *Gen. Zool.* v. 397.
Cyclopterus ocellatus, *Don. Brit. Fish.* iv. 76 (1805). *Turt. Brit. Faun.* 116.
Lepadogaster biciliatus, *Risso*, *Eur. Mer.* iii. 272?
Small Suck-Fish, *Borl. Cornw.* 269, pl. 25, f. 28 & 29.
Jura Sucker, *Penn. Brit. Zool.* iii. 120, pl. 22, No. 59. *Id.* (ed. 1812), iii. 181, pl. 25. *Couch, in Linn. Trans.* xiv. 87.

Hab.—Coast.
In spirits. Falmouth. Presented by W. P. Cocks, Esq.
Falmouth, Plymouth, and S. Devon. From Dr. Leach's collection.
Polperro. Presented by J. Couch, Esq.

2. GOBIESOX.

Gobiesox, *Lacép. Poiss.* *Cuv. R. A.* ii. 345. *Swains. Lardn. Cycl.* ii. 339.
Cyclopterus, p., *Bloch*, *Schneid.*
Lepadogaster, p., *Fleming.*

1. Gobiesox bimaculatus. The Bimaculated Sucker. B. M.

Lepadogaster bimaculatus, *Flem. Brit. An.* 190. *Jen. Man.* 470. *Bonap. Pesc. Eur.* 65.*
Lepidogaster bimaculatus, *Yarr. Brit. Fish.* 2 ed. ii. 363.
Cyclopterus bimaculatus, *Walb. Artedi*, iii. 490. *Bloch*, *Schneid. Syst. Ichth.* 199. *Turt. Syst. Nat.* i. 907. *Don. Brit. Fish.* iv. 78. *Turt. Brit. Faun.* 115.
Gobiesox bimaculatus, *Cuv. R. A.* ii. 345.
Bimaculated Sucker, *Penn. Brit. Zool.* iii. *App.* 345, pl. 22. *Id.* (ed. 1812), iii. 181, pl. 25. *Mont. in Linn. Trans.* vii. 293.
Le Cycloptère bimaculé, *Lacép. Poiss.* ii. 67.

Hab.—Coast.
In spirits. Salcombe, Devon. From Dr. Leach's collection.

3. CYCLOPTERUS.

Cyclopterus, *Linn.*

1. Cyclopterus Lumpus. Lump Sucker. B. M.

Cyclopterus Lumpus, *Linn. Syst. Nat.* i. 414. *Bloch, Ichth.* pl. 90. *Bloch, Schneid. Syst. Ichth.* 197. *Don. Brit. Fish.* i. pl. 10. *Turt. Brit. Faun.* 115. *Flem. Brit. An.* 190. *Cuv. R. A.* ii. 346. *Rich. Faun. Bor.-Amer.* 260. *Jen. Man.* 471. *Yarr. Brit. Fish.* 2 ed. ii. 365. *Parn. Wern. Mem.* vii. 380.
Lumpus Anglorum, *Will. Hist. Pisc.* 208, tab. No. 11.
Le Cycloptère Lompe, *Lacép. Poiss.* ii. 52.
Lump-Sucker, *Penn. Brit. Zool.* iii. 117, pl. 21, No. 57. *Id.* (ed. 1812), iii. 176, pl. 24.
Young, Cyclopterus pavoninus, *Davies, Shaw, Nat. Misc.* ix. 310.
Cyclopterus cœruleus, *Mitchell*, i. 480, t. 2, f. 7 (*according to Richardson*).
Sea-Owl, Hen Paidle, Cock Paidle, Hush Bagaty. *Local names.*
Var. Red Lump, Blue Lump. *Local names.*

Hab.—Coast.
Stuffed. Plymouth. Presented by Lieut. H. F. Spence, R.N.

4. LIPARIS.

Liparis, *Artedi, Descript.* 117. *Cuv. R. A.* ii. 346 (*nec Richard*).
Cyclopterus, p., *L.*

1. Liparis vulgaris. Unctuous Sucker. B. M.

Cyclopterus Liparis, *Linn. Syst. Nat.* i. 414. *Bloch, Ichth.* pl. 123, f. 3. *Don. Brit. Fish.* ii. pl. 47. *Turt. Brit. Faun.* 115. *Jen. Man.* 472.
Cyclopterus (Liparis) communis, *Rich. Faun. Bor.-Amer.* 263.
Liparis ophidoides, *Swains. Lardn. Cycl. Fish.* ii. 339.
Liparis nostras, *Will. Hist. Pisc. App.* 17, tab. H. 6, f. 1.
Var. Cyclopterus musculus, *Lacép. Poiss.* iv. 683?
Liparis vulgaris, *Flem. Brit. An.* 190. *Yarr. Brit. Fish.* 2 ed. ii. 371. *Parn. Wern. Mem.* vii. 383. *Bonap. Pesc. Eur.* 66.*
Liparis communis, *Sabine, App. Parry's first Voyage.* 212.
Unctuous Sucker, *Penn. Brit. Zool.* iii. 119, pl. 21, No. 58. *Id.* (ed. 1812), iii. 179, pl. 24.
Liparis cyclogaster, *Eichwald.*
Le Cycloptère Liparis, *Lacép. Poiss.* ii. 69.
Sea Snail, *Willughby.*
Unctuous Lump-Sucker, *Donovan.*

Hab.—Coast.

2. Liparis Montagui. Montagu's Sucker. B. M

Cyclopterus Montagui, *Don. Brit. Fish.* iii. pl. 68, 1805 (Young) *Mont. in Wern. Mem.* i. 91, pl. 5, f. 1. *Jen. Man.* 473.
Cyclopterus Montacuti, *Turt. Brit. Faun.* 115.
Liparis Montagui, *Flem. Brit. An.* 190. *Yarr. Brit. Fish.* 2 ed. ii. 374. *Bonap. Pesc. Eur.* 66.*
Montagu Sucker, *Penn. Brit. Zool.* (ed. 1812), iii. 183.
Montagu's Sucking-Fish, Diminutive Sucker. *Yarrell.*

Hab.—Coast.

Sub-Order 3. MALACOPTERYGII APODA.

Malacopterygiens apodes, *Cuv. R. A.* ii. 348 (1829).
Malacopterygii apodes, *Rich. Faun. Bor.-Amer.* xii.
Apodes, *Jen. Man.* 322.
Ophisomata, *Bonap. Specchio Gen.* 10. *Pesc. Eur.* 38.*
Physostomi apodes, *Müll. Wiegm. Arch.* 1845, 136.

Fam. IX. MURÆNIDÆ.

Anguilliformes, *Cuv. R. A.* ii. 348. *Rich. Faun. Bor.-Amer.* 267.
Pentapterygii apodes, p., *Bloch, Schneid. Syst.* 44.
Dipterygii apodes et achiri, p., *Bloch, Schneid. Syst.* 60.
Pantopteres, p., *Dum. Zool. Anal.* 115.
Enchelares, p., *Planander, Anim. in Class. Pisc.* 19.
Anguillidi, *Rafin. Indice*, 37.
Anguillidæ, *Jen. Man.* 322. *Parn. Fish. Firth of Forth*, 224.
Murænidæ, *Gray, Syn. Brit. Mus.* 1842. *Swains. Lardn. Cycl Fish.* ii. 195.
Lanceolata, *Latr. Fam. R. A.* 142.
Anguilloides, *Latr. Fam. R. A.* 142.
Murænidæ Murænini, M. Leptocephalini, *Bonap. Specchio Gen.* 10
Anguillares, p., *Müll. Wiegm. Arch.* 1843, 328.
Murænoidei, *Müll. Wiegm. Arch.* 1845, 136.
Murænidæ Anguillini, Murænini, *Bonap. Cat. Met.* 38,* 39.*

1. ANGUILLA.

Anguilla, *Shaw, Gen. Zool.* iv. 1
Muræna, p., *Linn.*

1. ANGUILLA ACUTIROSTRIS. Sharp-nosed Eel. B. M.

Anguilla acutirostris, *Yarr. Proceed. of Zool. Soc.* 1831, 133. *Riss. Eur. Mérid.* iii. 198? *Jen. Man.* 474. *Yarr. Brit. Fish.* 2 ed. ii. 381. *Parn. Wern. Mem.* vii. 384.
Anguilla vulgaris, *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 199. *Bonap. Pesc. Eur.* 38.*
Muræna Anguilla, *Bloch, Ichth.* pl. 73. *Bloch, Schneid. Syst. Ichth.* 486.
Common Eel, *Penn. Brit. Zool.* iii. 126. *Id.* (edit. 1812), iii. 191.
Sharp-headed Eel, *Yarr. in Zool. Journ.* iv. 469.

HAB.—Fresh water.

2. ANGUILLA LATIROSTRIS. Broad-nosed Eel. B. M.

Anguilla latirostris, *Yarr. in Proceed. of Zool. Soc.* 1831, 133. *Riss. Nat. de l'Eur. Mérid.* iii. 199? *Jen. Man.* 476. *Yarr. Brit. Fish.* 2 ed. ii. 396. *Parn. Wern. Mem.* vii. 387. *Bonap. Cat. Met.* 38.*
Blunt-headed Eel, *Yarr. in Zool. Journ.* iv. 469.
Grigs or Gluts, *Penn. Brit. Zool.* iii. 129.
Anguilla cloacina, *Bonap. Pesc. Eur.* 38.*
L'Anguille pimperneaux, *Cuv. R. A.* ii. 349.

HAB.—Fresh water.

3. ANGUILLA MEDIOROSTRIS. Snig Eel.

Anguilla mediorostris, *Jen. Man.* 477. *Yarr. Brit. Fish*, 2 ed. ii. 399. *Bonap. Pesc. Eur.* 38.*
Snig Eel, *Yarr. in Jesse's Glean. of Nat. Hist.* 75, 76 (2nd series).
The Snig, *Yarrell.*
Silver and Yellow Eel? *Worcestershire.*

HAB.—Fresh water.

2. CONGER.

Conger, *Cuv. R. A.* ii.
Echelus, p., *Rafin.*
Anguilla, p., *Shaw.*
Muræna, p., *Linn.*

1. CONGER VULGARIS. Conger Eel. B. M.

Anguilla Conger, *Shaw*, *Gen. Zool.* iv. 20, pt. 1, pl. 1. *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 200. *Jen. Man.* 478.
Conger vulgaris, *Yarr. Brit. Fish.* 2 ed. ii. 402. *Parn. Wern. Mem.* vii. 388. *Bonap. Pesc. Eur.* 38.*
Muræna Conger, *Linn. Syst. Nat.* i. 426. *Bloch*, *Ichth.* pl. 155. *Bloch*, *Schneid. Syst. Ichth.* 487. *Lacép. Poiss.* ii. 268. *Don. Brit. Fish.* v. *pl.* 119.
Conger verus, *Risso*, *Eur. Mer.* iii.
Echelus gruncus, *Rafin. Caratt.* 65, t. 17, f. 2.
Conger, *Will. Hist. Pisc.* iii. tab. G. 6. *Penn. Brit. Zool.* iii. 130. *Id.* (ed. 1812), iii. 196. *Yarr. in Proceed. of Zool. Soc.* (1831), 158.

HAB.—Coast.

2. CONGER MYRUS.

Anguilla Myrus, *Shaw*, *Gen. Zool.* iv. 24, pt. 1. *Turt. Brit. Faun.* 87. *Flem. Brit. An.* 200. *Jen. Man.* 478.
Muræna Myrus, *Linn. Syst. Nat.* i. 426. *Berkenh. Syn.* i. 64.
Conger Myrus, *Cuv. R. A.* ii. 350.
Echelus punctatus, *Rafin. Caratt.* 65, t. 17, f. 1.

HAB.—Coast (very doubtful).

3. OPHISURUS.

Ophisurus, *Lacép. Poiss.* ii. 195 (1800).
Ophis, *Turt. Brit. Faun.* 82 (1807).
Muræna, p., *Linn.*

1. OPHISURUS OPHIS.

Ophisurus Ophis, *Lacép. Poiss.* ii. 196. *Flem. Brit. An.* 200. *Jen. Man.* 479.
Muræna Ophis, *Linn. Syst. Nat.* i. 425. *Bloch*, *Ichth.* pl. 154. *Berkenh. Syn.* i. 64.
Ophis maculata, *Turt. Brit. Faun.* 87.

HAB.—Ocean (a doubtful native), *Berkenhout*, *Turton.*

2. Ophisurus serpens.

Ophisurus Serpens, *Lacép. Hist. Nat. des Poiss.* ii. 198. *Jen. Man.* 479. *Bonap. Pesc. Eur.* 39.*
Muræna Serpens, *Linn. Syst. Nat.* i. 425.
Serpens marinus, *Merr. Pinax*, 185. *Sibb. Scot. Illust.* ii. 23, pt. 2.

Hab.—Coast (a doubtful native).

4. MURÆNOPHIS.

Muræna, p., *L.*
Gymnothorax, p., *Bloch.*
Murænophis, *Lacép. Poiss.* v. 627.

1. Murænophis Helena. Roman Muræna.

Muræna Helena, *Linn. Syst. Nat.* i. 425. *Bloch, Ichth.* pl. 153. *Cuv. R. A.* ii. 252. *Jen. Man.* 479. *Yarr. Brit. Fish.* 2 ed. ii. 406.
Murænophis helena, *Lacép. Poiss.* v. 631.
Muræna, *Will. Hist. Pisc.* 103, tab. G. 1.
Gymnothorax muræna, *Bloch, Schneid.* 525.
Muræna variegata, *Rafin. Pesc. Eur.* 67, t. 15, f. 1.
Muræna fulva, *Risso, Eur. Mer.* iii.
Muræna guttata, *Risso, Eur. Mer.* iii.
Muræna punctata, *Rafin. Caratt.* 680, t. 15, f. 2.
Roman Muræna, *Shaw, Gen. Zool.* iv. 26, pt. 1, pl. 2.

Hab.—Coast (a doubtful native).

Fam. X. GYMNOTIDÆ.

Gymnotidæ, *Gray, Syn. Brit. Mus.* 1842, 150.
Ophidini, p., *Müll. Wiegm. Arch.* 1843, 329.
Anguilliformes, p., *Cuv. R. A.* ii. 348.
Anguillidæ, p., *Jen. Man.* 322.
Leptocephalidæ, p., *Bonap. Pesc. Eur.* 40.*
Ammodytidæ, p., *Bonap. Pesc. Eur.* 40.*

1. LEPTOCEPHALUS.

Leptocephalus, *Gronov. Zooph.* 135, (1763).
Ophidium, p., *Couch.*
Pterurus, *Rafin.*

1. Leptocephalus Morrisii. Anglesea Morris. B. M.

Leptocephalus, *Gronov. Zooph.* 135, sp. 410, t. 13, f. 3 (1763).
Leptocephalus Morrisii, *Gmel. Linn.* i. 1150, pt. 3. *Turt. Brit. Faun.* 88 ("Morissii"). *Mont. Wern. Mem.* ii. 436, pl. 22, f. 1. *Leach in Zool. Misc.* iii. 10, pl. 126. *Flem. Brit. An.* 200. *Deere, Loud. Mag. Nat. Hist.* vi. 330, 331. *Jen. Man.* 480. *Yarr. Brit. Fish.* 2 ed. ii. 409.
Leptocephalus Morisii, *Cuv. R. A.* ii. 359.
Leptocephalus Morrisianus, *Lacép. Poiss.* ii. 143.
Ophidium pellucidum, *Couch, Loud. Mag. Nat. Hist.* v. 313 & 742.
Leptocephalus Spallanzani, *Risso, Hist.* iii. 205?
Leptocephalus candidissimus, *Costa.*
Anglesea Morris, *Penn. Brit. Zool.* iii. 139, pl. 25, No. 67. *Id.* (ed. 1812), iii. 212, pl. 28.

Hab.—Coast.
Bridgewater. Presented by J. Anstice, Esq.

2. AMMODYTES.

Ammodytes, *Linn.*

1. Ammodytes Tobianus. Wide-mouthed Launce. B. M.

Ammodytes Tobianus, *Bloch, Ichth.* pl. 75, f. 2. *Bloch, Schneid. Syst. Ichth.* 493. *Turt. Brit. Faun.* 87. *Cuv. R. A.* ii. 360. *Jen. Man.* 482. *Yarr. Brit. Fish.* 2 ed. ii. 424. *Parn. Wern. Mem.* vii. 390.
Ammodytes lanceolatus, *Lesauvage, in Bull. des Sci. Nat.* (1825), iv. 262.
Ammodytes Anglorum, verus, *Jago, in Ray's Syn. Pisc.* 165, pl. 2, f. 12.
Great Lant, Sand-eel. *Cornwall.*
Horners. *Edinburgh.*

Hab.—Coast.

2. Ammodytes alliciens. Small-mouthed Launce.

Ammodytes lancea, *Cuv. R. A.* ii. 360. *Jen. Man.* 483. *Yarr. Brit. Fish.* 2 ed. ii. 429. *Parn. Wern. Mem.* vii. 391.
Ammodytes Tobianus, *Don. Brit. Fish.* ii. pl. 33. *Swains. Zool. Illust.* i. pl. 63, upper fig. *Lesauv. in Bull. des Sci. Nat.* (1825), iv. 262. *Flem. Brit. An.* 201.
Ammodytes alliciens, *Lacép. Poiss.* ii. 274.
Ammodytes, *Will. Hist. Pisc.* 113.
Sand Launce, *Penn. Brit. Zool.* iii. pl. 25, No. 66, but not p. 137 (ed. 1812), iii. 206, pl. 28, fig.
The Riggle. *Sussex Coast.*
Lant. *Cornwall.*

Hab.—Coast.

Order III. PLECTOGNATHI.

Plectognathes, *Cuv. Règ. An.* ii. 364, 1829.
Plectognathi, *Bonap. Specchio Gen.* 10. *Gray, Syn. B. M.* 1842, 150. *Müller in Wiegm. Arch.* 1845, 137.
Plectognathii, *Rich. Faun. Bor.-Amer.* 12.
Branchiostegi, p., *Artedi, Gen. Pisc.* 53.
Chondrodei, p., *Planander, Anim. in Class. Pisc.* 18.
Hexapterygii, p., *Bloch, Schneid. Syst. Ichth.* 53.
Pentapterygii, Apodes, p., *Bloch, Schneid. Syst. Ichth.* 57.
Ganoïdes, p., *Agassiz, Poiss. Foss.* iv. 1834.

Fam. I. DIODONTIDÆ.

Gymnodontes, *Cuv. Règ. An.* ii. 365, 1829. *Jen. Man.* 324. *Müll. Wiegm. Arch.* 1845, 137.
Gymnodonta, *Latr. Fam. R. A.* 115.
Osteodermes, p., *Dum. Zool. Anal.* 109, 1806.
Diodontidæ, *Gray. Syn. Brit. Mus.* 1842, 150.
Tetraodontidæ, p., *Bonap. Pesc. Eur.* 87.*
Orthagoriscidæ, p., *Bonap. Pesc. Eur.* 87.*

1. TETRAODON.

Tetraodon, *Artedi.*
Tetrodon, *Linn.*
Lagocephalus, *Swains. Lardn. Cycl. Fish.* ii. 328.

1. Tetraodon Pennantii. Stellated Globe-Fish.

Tetrodon stellatus, *Don. Brit. Fish.* iii. pl. 66. (nec *Auct.*) *Turt. Brit. Faun.* 116. *Flem. Brit. An.* 174. *Jen. Man.* 489.
Tetraodon lævigatus, Globe Diodon, *Penn. Brit. Zool.* iii. 132, pl. 20. (nec *L.*)
Tetrodon lagocephalus? Globe Tetrodon, *Penn. Brit. Zool.* (edit. 1812), iii. 174, pl. 23. (nec *L.*)
Lagocephalus Pennantii, *Swains. Lardn. Cycl. Fish.* ii. 328. *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Bonap. Pesc. Eur.* 87.*

Tetrodon Pennantii, Pennant's Globe-Fish, *Yarr. Brit. Fish.* 2 ed. ii. 457.
Tetraodon bicolor, *Durazzo*, *Bonap.*
Diodon reticulatus, *L.* *Lowe*, *Syn. Fish. Madeira?*
Stellated Globe-Fish, *Donovan.*
Crop-Fish. *Local name.*

HAB.—Coast (accidental visitor).

2. ORTHRAGORISCUS.

Orthragoriscus, *Schneid. Bloch*, *Syst. Ichth.* 510.
Orthagoriscus, *Auct.*
Tetraodon, p., *L.*
Diodon, p., *Bloch.*
Cephalus, p., *Shaw.*
Gastrophysus, p., *Müll. Wiegm. Arch.* 1843, 330.
Mola, p., *Nardo. Bonap. Pesc. Eur.* 87.*
Ranzania, p., *Nardo. Bonap. Pesc. Eur.* 88.*
Orthragus, *Rafin.*

1. ORTHRAGORISCUS MOLA. Short Sun-Fish. B. M.

Orthragoriscus mola, *Bloch*, *Schneid. Syst. Ichth.* 510.
Orthagoriscus mola, *Flem. Brit. An.* 175. *Jen. Man.* 490. *Yarr. Brit. Fish.* 2 ed. ii. 462. *Parn. Wern. Mem.* vii. 401.
Mola Salviani, *Will. Hist. Pisc.* 151, t. I. 26.
Cephalus orthagoriscus, *Risso*, *Eur. Mer.* iii.
Tetrodon mola, *Linn. Syst. Nat.* i. 412. *Don. Brit. Fish.* ii. 25.
Diodon mola, *Bloch*, *Ichth.* pl. 128.
Le Tetrodon Lune, *Lacép. Poiss.* i. 509.
Cephalus brevis, *Shaw*, *Gen. Zool.* v. 437, pt. 2, pl. 175. *Neill*, *Wern. Mem.* i. 546. *Turt. Brit. Faun.* 116.
"Mola luna, *Nardo.*" *Bonap.*
Mola aspera, *Bonap. Pesc. Eur.* 87.*
Sun-Fish, *Borl. Cornw.* 267, pl. 26, f. 6.
Short Diodon, *Penn. Brit. Zool.* iii. 131, pl. 19.
Short Tetrodon, *Penn. Brit. Zool.* (ed. 1812) iii. 172, pl. 22.

HAB.—Coast (occasional visitant).
Chesil Bank, Portland Bay. Presented by Major Parlby and John Fox, Esq.

2. Orthragoriscus oblongus. Oblong Sun-Fish.

Orthragoriscus oblongus, *Bloch, Schneid. Syst. Ichth.* 511.
Orthagoriscus oblongus, *Jen. Man.* 491. *Yarr. Brit. Fish.* 2 ed. ii. 469. (*Fig. copied from Donovan*).
Orthagoriscus truncatus, *Flem. Brit. An.* 175. *Jen. Cat. of Brit. Vert. An.* 31, sp. 181.
Orthragus oblongus, *Rafin. Indice.*
Tetrodon truncatus, *Gmel. Linn.* i. 1448, pt. 3, *Don. Brit. Fish.* ii. pl. 41.
Cephalus oblongus, *Shaw, Gen. Zool.* v. 439, pt. 2, pl. 176. *Turt. Brit. Faun.* 116. *Swains. Lardn. Cycl. Fish.* ii. 330.
Gastrophysus oblongus, *Müll. Wiegm. Arch.* 1843, 330.
Ranzania oblonga, *Nardo. Bonap.*
Sun-Fish from Mount's Bay, *Borl. Cornw.* 268, pl. 26, f. 7.
Oblong Diodon, *Penn. Brit. Zool.* iii. 113, pl. 19.
Oblong Tetrodon, *Penn. Brit. Zool.* (ed. 1812) iii. 170, pl. 22.
Truncated Sun-Fish, *Donovan.*

Hab.—Coast (occasional visitor).

Fam. II. BALISTIDÆ.

Sclerodermes, p., *Cuv. R. A.* ii. 371, 1829.
Scleroderma, p., *Latr. Fam. R. A.* 115.
Chismopnes, p., *Dum. Zool. Anal.* 105, 1806.
Sclerodermi, p., *Jen. Man.* 325. *Bonap. Specchio Gen.* 10.
Balistidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Swains. Lardn. Cycl. Fish.* ii. 193.
Balistidæ, Balistini, *Bonap. Pesc. Eur.*
Balistini, *Müll. Wiegm. Arch.* 1845, 137.

1. BALISTES.

Balistes, *L.*
Capriscus, *Rafin. Swains. Lardn. Cycl. Fish.*

1. Balistes Capriscus. Mediterranean File-Fish. B. M.

Balistes Capriscus, *Gmel. Linn.* i. 1471, pt. 3. *Cuv. R. A.* ii. 372. *Jen. Man.* 492. *Yarr. Brit. Fish.* 2 ed. ii. 472.
Capriscus, *Will. Hist. Pisc.* 152, t. I., 19.

Balistes maculatus, *Bloch*, t. 151.
Le Baliste Caprisque, *Lacép. Hist. Nat. Poiss.* i. 372.
Balistes vetula, *Risso*, *Eur. Mer.* iii.?
Balistes buniva, *Lacép.* v. 21?
Capriscus porcus, *Rafin. Indice.*
Capriscus Rondelettii, *Swains. Lardn. Cycl. Fish.* ii. 326.
Mediterranean File-Fish, *Shaw*, *Gen. Zool.* v. 411, pt. 2, pl. 168.*
Pesce balestra, *Italian.*

Hab.—Coast (accidental visitor).
Sussex, Aug. 1827.

Sub-class II. PISCES CHONDROPTERYGII.

Chondropterygii, *Artedi*, *Gen. Pisc.* 64, 1738.
Chondropterygiens, *Cuv. R. A.* ii. 376, 1829.
Chondrodei, *Planander*, *Anim. in Class. Pisc. Linn.* 17, 1803.
Cartilagines, *Swains. Lardn. Cycl. Fish.* ii. 191.
Chondropterygii or Cartilaginous Fish, *Rich. Faun. Bor.-Amer.* 12.
Cartilaginei, *Jen. Man.* 493.
Ganoidei, p., Elasmobranchii, p., Marsipobranchii, p., Leptocardii, p., *Müll. Wiegm. Arch.* 1845, 137.
Chondropterygia, *Gray*, *Syn. Brit. Mus.* 1842, 150.

Sub-order 1. ELEUTHEROPOMI.

Eleutheropomi, *Rich. Faun. Bor.-Amer.* 12. *Jen. Man.* 326. *Parn. Fish. Firth of Forth.* 243. *Gray*, *Cat. Cart. Fish.* 3.
Eleutheropomes, p., *Dum. Zool. Anal.* 105, 1806.
Chismopnes, p., *Dum. Zool. Anal.* p. 105, 1806.
Sturioniens ou Chondropterygiens à branchies libres, *Cuv. R. A.* ii. 378, 1829.

Fam. I. ACIPENSERIDÆ.

Heptapterygii, Abdominales, p., *Bloch*, *Schneid. Syst. Ichth.* 46.
Acipenseridæ, *Gray*, *Syn. Brit. Mus.* 1842, 2. *Cat. Cart. Fish.* 4. *Bonap. Specchio Gen.* 8.
Sturionidi, *Rafin. Indice*, 40.
Sturionii, Gymnorhynci, *Latr. Fam. R. A.* 113, 114, 1826.
Sturionideæ, *Rich. Faun. Bor.-Amer.* 12.
Sturionidæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Micrognathi, *Bonap. Specchio Gen.* 8.
Sturiones, *Bonap. l. c.* 8.
Ganoïdes, p., *Agassiz*, *Poiss. Foss.*
Chondrostei, Acipenserini, *Müll. Wiegm. Arch.* 1845, 137.

1. ACIPENSER.

Acipenser, *L.*
Sturio, *Fitz.*

1. ACIPENSER STURIO. Common Sturgeon. B. M.

Acipenser Sturio, *Linn. Syst. Nat.* i. 403. *Bloch, Ichth.* 88. *Bloch, Schneid. Syst. Ichth.* 347. *Turt. Brit. Faun.* 114. *Don. Brit. Fish.* iii. pl. 65. *Flem. Brit. An.* 173. *Jen. Man.* 493. *Yarr. Brit. Fish.* 2 ed. ii. 475. *Bonap. Icon. Faun. Ital.* iii. 87, t. f. 1. *Parn. Wern. Mem.* vii. 403. *Gray, Cat. Cart. Fish. B. M.* 13.
Sturio, The Sturgeon, *Will. Hist. Pisc.* 239, t. P, 7, f. 3.
Sturgeon, *Penn. Brit. Zool.* iii. 109, pl. 19, n. 53.
Common Sturgeon, *Penn.* (ed. 1812), iii. 164, pl. 22.
L'Acipensere Esturgeon, *Lacép. Poiss.* i. 411, pl. 20, f. 1.

HAB.—Coast and Rivers.
River Thames.

2. ACIPENSER LATIROSTRIS. Broad-nosed Sturgeon.

Acipenser latirostris, *Parn. Trans. R. S. E.* xiv. pl. 4. *Parn. Wern. Mem.* vii. 405, pl. 39. *Yarr. Brit. Fish.* 2 ed. ii. 479. *Gray. Cat. Cart. Fish. B. M.* 15.
Acipenser Sturio, sen.? *Bonap. Cat. Met.* 21.*

HAB.—Coast. (Firth of Forth.)

3. ACIPENSER HUSO. Isinglass Sturgeon.

Acipenser huso, *Linn. Syst. Nat.* i. 404. *Thomp. Ann. & Mag. Nat. Hist.* xvi. 213, 1845, 1847, 172.
Huso ichthyocolla, *Bonap. Cat. Met.* 22.*

HAB.—Danube (a doubtful native).
Coast of Cork. *J. Humphreys.*

Fam. II. CHIMÆRIDÆ.

Chimæridæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Chimeridæ, *Gray, Syn. Brit. Mus.* 1842, 150.
Acanthorhina, *Latr. Fam. R. A.* iii. 1826.
Acanthorrhini, *Jen. Man.* 326.
Holocephala, Chimæridæ, *Bonap. Specchio Gen.* 7.
Holocephali, *Müll. Wiegm. Arch.* 1845, 137.

1. CHIMÆRA.

Chimæra, *Linn.*

1. CHIMÆRA MONSTROSA. Northern Chimæra.

Chimæra monstrosa, *Linn. Syst. Nat.* i. 401. *Bloch, Ichth.* pl. 124. *Bloch, Schneid. Syst. Ichth.* 349. *Turt. Brit. Faun.* 114. *Don. Brit. Fish.* v. 111. *Flem. Brit. An.* 172. *Bonap. Faun. Ital.* iii. 88, t. *Cuv. R. A.* ii. 382. *Jen. Man.* 494. *Yarr. Brit. Fish.* 2 ed. ii. 483, ♂, (*Copied from Dronthiem, Gesellsch. Schrift.*) 485, ♀ (*Copied from Bonap.*).
Galeus Acanthias Clusii, *Will. Hist. Pisc.* 57, t. B. 9, f. 6.
Diplanchias nasus, *Rafin.?*
Chimæra mediterranea, *Risso, Hist. Nat.* iii. 168.
Northern Chimæra, *Penn. Brit. Zool.* (ed. 1812), iii. *159.
Sea Monster, *Shaw, Zool.* v. t. 157.
La Chimêre arctique, *Lacép. Poiss.* i. 392, pl. 19, f. 1.
King of the Herrings. *Local name.*
Rabbit-Fish. *Zetland.*
HAB.—Northern Ocean.

Sub-order II. TREMATOPNEI.

Chondropterygiens à branchies fixes, *Cuv. R. A.* 383, 1829.
Trematopnes, *Dum. Zool. Anal.* 101, 1806.
Trematopneontes, *Rich. Faun. Bor.-Amer.* 12.
Ichtyodera, *Geoff. St. Hil. Latr. Fam. R. A.* 107, 1826.
Trematopnei, *Gray, Cat. Cart. Fish. B. M.* 22.

Sub-section 1. SQUALI.

Selaciens, *Cuv. R. A.* ii. 383, 1829.
Selachii, *Rich. Faun. Bor.-Amer.* 12.
Plagiostomes, *Dum. Zool. Anal.* 102, 1806.
Selacii, *Latr. Fam. R. A.* 108, 1825.
Proctopodes, *Blainv. Faun. Franc.* ii. 10.
Plagiostomi, *Jen. Man.* 327. *Parn. Fish. Firth of Forth*, 247.
Octopterygii abdominales, p., *Bloch, Schneid. Syst. Ichth.* 32.
Heptapterygii abdominales, p., *Bloch, Schneid. Syst. Ichth.* 46.
Chondrotteri, *Rafin. Indice*, 44.

Platosomi, *Rafin. Indice*, 47.
Selacha, *Bonap. Specchio Gen.* 7, 1845.
Placoïdes, *Agassiz*, *Poiss. Foss.* iii. 1833.
Elasmobranchii s. Selachii, *Müll. Wiegm. Arch.* 1845, 137.
Squalidæ, *Bonap. Specchio Gen.* 7. *Gray*, *Syn. Brit. Mus.* 1842, 150.
Squali, *Gray*, *Cat. Cart. Fish. B. M.* 24.

Fam. I. SCYLLIADÆ.

Scylliadæ, *Gray*, *Cat. Cart. Fish. B. M.* 27.
Squali, § 1, Scyllia, *Müll. & Henle.*

1. SCYLLIUM.

Scyllium, *Cuv. Règ. An.* ii. 386. *Müll. & Henle*, 3.
Squalus, p., *Linn.*
Scylliorhinus, p., *Blainv. Faune Fr.*

1. Scyllium canicula. Little Spotted Dog-Fish. B. M.

Squalus Canicula, *Linn. Syst. Nat.* i. 399. *Jen. Man.* 495.
Squalus caniculus, *Risso*, *Eur. Mér.* iii. 116.
Squalus Catulus, *Bloch*, *Ichth.* pl. 114. *Bloch*, *Schneid. Syst. Ichth.* 127. *Don. Brit. Fish.* iii. pl. 55. *Blainv. Faune Fr.* 69, pl. 17, f. 1.
Squalus conductus, *Osbeck*, *It.* 70.
Scyllium Catulus (*Bounce or Morgay*), *Flem. Brit. An.* 165 (Male).
Scyllium stellare, *Flem. Brit. An.* 165 (female).
Scylliorhinus catulus, *Blainv. Faune Fr.* 69.
Scyllium Canicula, *Bonap. Icon. Faun. Ital.* iii. 39, t. f. 1. *Cat. Met.* 19.* *Müll. & Henle*, *Plagiost.* 6. *Yarr. Brit. Fish.* 2 ed. ii. 487. *Parn. Wern. Mem.* vii. 407.
Scyllium caniculum, *Gray*, *Cat. Cart. Fish. B. M.* 29.
Catulus major vulgaris, *Will. Hist. Pisc.* 62, tab. B. 4. f. 1.
Catulus minor, *Willughby*, 64 ?
Lesser Spotted Dog-Fish (Male), and Spotted Dog-fish (Fem.), *Penn. Brit. Zool.* iii. 101 & 99, pl. 15.
Lesser Spotted Shark (male), and Spotted Shark (Fem.), *Penn.* (ed. 1812), iii. 150 & 148, pl. 19.
Le Squale Roussette, *Lacép. Poiss.* i. 221.
Rough, Row-hound. *Cornwall.*

Hab.—Coast.
Cornwall. Presented by W. P. Cocks, Esq.

2. Scyllium catulus. Large Spotted Dog-Fish. B. M.

Squalus stellaris, *Linn. Syst. Nat.* i. 399. *Blainv. Faune Fr.* 71, pl. 17, f. 2. *Jen. Man.* 496.
Scyllium stellare, *Bonap. Icon. Faun. Ital.* iii. t. f. 2. *Cat. Met.* 19.*
Scylliorhinus stellaris, *Blainv. Faune Fr.*
Catulus maximus, *Will. Hist. Pisc.* 63?
Spotted Dog-Fish, var., *Penn. Brit. Zool.* iii. 100. *Id.* (ed. 1812) iii. 150.
Rock Shark, *Shaw*, *Gen. Zool.* v. 336, pt. 2.
Le Squale Rochier, *Lacép. Poiss.* i. 233.
Scyllium catulus, *Cuv. Règ. An.* ii. 386. *Müll. & Henle*, *Plagiost.* 9. *Yarr. Brit. Fish.* 2 ed. ii. 493. *Parn. Wern. Mem.* vii. 410. *Gray*, *Cat. Cart. Fish. B. M.* 30.
Large Spotted Dog-Fish. *Yarrell.*
Bounce, Nurse-hound. *Local names.*

Hab.—Coast.
Cornwall. Presented by W. P. Cocks, Esq.

2. PRISTIDURUS.

Pristidurus, *Bonap. Selac. Tab. Anal.* 14, 1838. *Gray*, *Cat. Cart. Fish. B. M.* 32.
Pristiurus, "*Bonap.*", *Müll. & Henle*, 15.
Squalus, p., *Otto.*
Scyllium, p., *Risso.*
Scylliorhinus, p., *Blainv.*

1. Pristidurus melanostomus. Black Mouthed Shark.

Scyllium melanostomum, *Bonap. Icon. Faun. Ital.* iii. *Jen. Man.* 497.
Galeus melastomus, *Rafin. Caratt.* 13.
Scylliorhinus Delarochianus, *Blainv. Faune Fr.* 74.
Scylliorhinus melastomus, *Blainv. Faune Fr.* 75.
Scyllium Artedi, *Risso*, *Hist. Nat.* iii. 117.
Squalus prionurus, *Otto. Consp.* 5.
Squalus annulatus, *Nilss. Prod. Ichth. Scand.* 114.
Black Mouthed Dog-Fish, *Yarr. Brit. Fish.* 2 ed. ii. 495.
Pristiurus melanostomus, *Müll. & Henle*, *Plagiost.* 15. *Bonap. Cat. Met.* 19.*

Pristidurus melanostomum, *Bonap. Selac. Tab. Anal.* 11.
Eyed Dog-Fish. *Cornwall.*

HAB.—Coast.

Fam. II. SQUALIDÆ.

Squalidæ, *Gray*, *Cat. Cart. Fish. B. M.* 39.
Squali, § 2, 3, 4, *Müll. & Henle*, *Plag.* 28.

1. SQUALUS.

Carcharias, *Rafin. Caratt.* 10. *Cuv. R. A.* ii. 387.
Squalus, p., *Linn.*
Cynocephalus, *Klein*, *Misc.* iii. 5.
Carcharinus, p., *Blainv.*
Prionodon, p., *Müll. & Henle.*
Squalus, *Gray*, *Cat. Cart. Fish. B. M.* 41.

1. SQUALUS GLAUCUS. Blue Shark. B. M.

Squalus glaucus, *Linn. Syst. Nat.* i. 401. *Bloch*, *Ichth.* pl. 86. *Bloch*, *Schneid. Syst. Ichth.* 131. *Turt. Brit. Faun.* 113. *Jen. Man.* 499. *Bonap. Icon. Faun. Ital.* iii. 140, t. f. 2. *Cat. Met.* 18.*
Squalus platyrynchus, *Walb. Artedi*, *Gen. Pisc.* 521.
Le Squale glauque, *Lacép. Poiss.* i. 213.
Squalus (Carcharinus) cæruleus, *Blainv. Faune Fr.* i. 90.
Squalus (Carcharinus) glaucus, *Blainv. Faune Fr.* i. 92, t. 23. *Gray*, *Cat. Cart. Fish. B. M.* 44.
Galeus glaucus, *Will. Hist. Pisc.* 49.
Carcharias (Prionodon) glaucus, *Müll. & Henle*, *Plagiost.* ii. 36, t.
Carcharias glaucus, *Flem. Brit. An.* 167. *Yarr. Brit. Fish.* 2 ed. ii. 498.
Blue Shark, *Watson*, *Phil. Trans.* 68—789, t. 12 (1778). *Penn. Brit. Zool.* iii. 95. *Id.* (ed. 1812), iii. 143.

HAB.—Coast.

2. SQUALUS CARCHARIAS. White Shark.

Squalus Carcharias, *Linn. Syst. Nat.* i. 400. *Turt. Brit. Faun.* 113. *Blainv. Faune Fr.* 89. *Jen. Man.* 497.
Canis Carcharias, *Will. Hist. Pisc.* 47?

Le Squale Requin, *Lacép. Poiss.* i. 169, t. 8. f. 1.
Carcharias vulgaris, *Flem. Brit. An.* 167. *Yarr. Brit. Fish.* 2 ed. 502, (*fig. copied from Belon*).
White Shark, *Penn. Brit. Zool.* iii. 93. *Id.* (ed. 1812), iii. 139. *Lowe, Faun. Orc.* 174.
Var. Rashleigh Shark, *Couch, in Linn. Trans.* xiv. 91. *Jen. Man.* 507.

HAB.—Coast (occasional visitor).

2. SPHYRNIAS.

Sphyrnias, *Rafin. Anal. Nat.* 93, (1815).
Sphyrna, *Rafin. Ind.* 46.
Zygæna, *Cuv. R. A.* ii. 393 (nec *Fabr.*)
Squalus, p., *Linn.*

1. SPHYRNIAS ZYGÆNA. Hammer-headed Shark.

Zygæna Malleus, *Val. Mém. Mus.* (1832), ix. 223, pl. ii. f. 1. *Risso, Eur. Mér.* iii. 125. *Cuv. R. A.* ii. 393. *Paget, Nat. Hist. Yarmouth*, 17. *Jen. Man.* 507. *Yarr. Brit. Fish.* 2 ed. ii. 504.
Zygæna Lewisii, *Griff. An. Kingd. Fish.* t. 50.
Sphyrna Zygæna, *Rafin. Ind. Ichth. Sic.* 46. *Bonap. Icon. Faun. Ital.* iii. t. f. 1. *Müll. & Henle, Plagiost.* 51.
Squalus Zygæna, *Linn. Syst. Nat.* i. 399. *Bloch, Ichth.* t. 117. *Bloch, Schneid. Syst. Ichth.* 131.
Sphyrnias Zygæna, *Gray, Cat. Cart. Fish. B. M.* 48.
Le Squale Marteau, *Lacép. Poiss.* i. 257.

HAB.—Coast (an accidental visitor).

3. GALEUS.

Galeus, *Cuv. Règ. An.* ii. 389.
Squalus, p., *Linn.*
Galeorhinus, *Blainv. Faune Fr.*
Carcharias, p., *Risso.*

1. GALEUS CANIS. The Tope. B. M.

Squalus Galeus, *Linn. Syst. Nat.* i. 399. *Bloch, Ichth.* pl. 118. *Turt. Brit. Faun.* 112. *Blainv. Faune Fr.* 85. *Jen. Man.* 501. *Sundev. in V. Wright, Skand. Fisk.* p., 185, t. 45.

Canis Galeus, *Will. Hist. Pisc.* 51, tab. B. 6, f. 1.
Galeorhinus galeus, *Blainv. Faune Fr.* i. 83.
Galeus vulgaris, *Flem. Brit. An.* 165. *Yarr. Brit. Fish.* 2 ed. ii. 509. *Parn. Wern. Mem.* vii. 414.
Galeus canis, *Bonap. Icon. Faun. Ital.* iii. t. f. *Müll. & Henle, Plagiost.* 57. *Gray, Cat. Cart. Fish. B. M.* 52.
Tope, *Penn. Brit. Zool.* iii. 98. *Id.* (edit. 1812), iii. 146, but not pl. 18.
Galeus Nilssoni, *Bonap. Cat. Met.* 19.*?
Le Squale Milandre, *Lacép. Poiss.* i. 237.
Penny Dog. *Hastings.*
Miller's Dog. *Cornwall.*
HAB.—Coast.
Skins and in spirits. Firth of Forth. Mus. Leach.
English Coast.

4. MUSTELUS.

Mustelus, *Cuv. Règ. An.* ii. 389. *Müll. & Henle*, 64.
Squalus, p., *Linn.*
Galeus, p., *Rafin.*
Galeorhinus, *Blainv. Faune Fr.*

1. MUSTELUS VULGARIS. Smooth Hound. B. M.

Squalus mustelus, *Linn. Syst. Nat.* i. 400. *Bloch, Schneid. Syst. Ichth.* 128. *Turt. Brit. Faun.* 112. *Leach, Wern. Mem.* ii. 63. *Blainv. Faune Fr.* 81, pl. 20, f. 1. *Jen. Man.* 502.
Mustelus lævis, *Will. Hist. Pisc.* 60, tab. B. 5, f. 2. *Flem. Brit. An.* 166. *Yarr. Brit. Fish.* 2 ed. ii. 512. *Parn. Wern. Mem.* vii. 416.
Galeorhinus hinnulus, *Blainv. Faune Fr.* i. 83, var.
Galeorhinus lævis, *Blainv. Faune Fr.* i. 84.
Galeus Mustelus, *Leach, Wern. Mem.* ii. 63, pl. 2, f. 3.
Mustelus plebejus, *Bonap. Icon. Faun. Ital.* iii. 43, t. f. 1. *Cat. Met.* 19.*
Mustelus vulgaris, *Müll. & Henle, Plagiost.* 64. *Gray, Cat. Cart. Fish. B. M.* 56.
Le Squale Emissole, *Lacép. Poiss.* i. 242.
Smooth Hound, *Penn. Brit. Zool.* iii. 102, pl. 16 (Smooth Shark).
Smooth Shark, *Penn.* (ed. 1812), iii. 151.
"Tope Shark," *Penn.* pl. 18.

Skate-toothed Shark. *Local name.*
Murloch. *Scotland.*
Ray Mouthed Hound. *Cornwall.*

HAB.—Coast.
In spirits. Berwick on Tweed. Presented by Dr. George Johnston.

5. ISURUS.

Isurus, *Rafin. Caratt.* 11 (1810). *Gray, Cat. Cart. Fish. B. M.* 58.
Lamna, *Cuv. R. A.* ii. 388 (1817).
Squalus, p., *Gmel.*
Lamia, *Risso, Eur. Mér.*
Carcharhinus, *Blainv. Faune Fr.*
Lamna and Selanonius, *Flem. Brit. An.* 168, 169.

1. ISURUS CORNUBICUS. Porbeagle Shark. B. M.

Squalus Cornubicus, *Gmel. Syst. Nat.* i. 1497, pt. 3. *Bloch, Schneid. Syst. Ichth.* 132. *Turt. Brit. Faun.* 113. *Don. Brit. Fish.* v. pl. 108. *Neill in Wern. Mem.* i. 549. *Blainv. Faune Fr.* 96, pl. 14, f. 2? *Jen. Man.* 500. *Sundev. in Wright, Skand. Fisk.* 135, t. 30 ♀.
Squalus nasus, *Walb. Artedi*, iii. 517.
Squalus Pennanti, *Walb. Artedi*, 517.
Squalus Selanoneus, *Walker, MSS.* 1769, 155 (*quoted by Fleming*).
Squalus Selanonus, *Leach, Wern. Mem.* ii. 64, pl. 2, f. 2.
Isurus oxyrinchus, *Rafin. Caratt.* 12, t. 13, f. 1.
Isurus Spallanzani, *Rafin. Ind. Ichth. Sic.* 45.
Squalus (Carcharhinus) Lamia, *Blainv. Faune Fr.* 88.
Squalus (C.) Cornubicus, *Blainv. Faune Fr.* 96, t. 14, f. 2. *Bonap. Icon. Faun. Ital.* iii. t. f. 2?
Lamna Cornubica, *Flem. Brit. An.* 168. *Müll. & Henle, Plagiost.* 67. *Yarr. Brit. Fish.* 2 ed. ii. 515. *Parn. Wern. Mem.* vii. 413.
Squalus glaucus, *Gunner, Norsk. Vid. Selsk. Skr.* iv, i, f.
Selanonius Walkeri, *Flem. Brit. An.* 169.
Porbeagle, *Borl. Cornw.* 265, pl. 26, f. 4. *Penn. Brit. Zool.* iii. 103. *Id.* (edit. 1812), iii. 152. *Goodenough, Linn. Trans.* iii. 80, pl. 15.
Le Squale long nez, *Lacép. Poiss.* i. 216, 389?

Var. Squalus monensis, *Shaw* (Beaumaris Shark). *Shaw*, *Gen. Zool.* v. 350, pt. ii. *Jen. Man.* 501.
Squalus cornubicus, β, *Gmel. Linn.* i. 1497, pt. iii. Var. 2. *Turt. Brit. Faun.* 113.
Beaumaris Shark, *Penn. Brit. Zool.* iii. 104, pl. 17. *Id.* (edit. 1812), iii. 154, pl. 20.

Hab.—Coast.
Eddystone. Presented by Lieut. H. F. Spence, R.N.
British Channel.

6. CETORHINUS.

Selache, *Cuv. R. A.* ii. 390.
Selachus, *Yarr. Brit. Fish.* ii. 518.
Cetorhinus, *Blainv. Bull. Soc. Phil.* 121 (1816), *Gray*, *Cat. Cart. Fish. B. M.* 61.

1. Cetorhinus maximus. Basking Shark.

Squalus maximus, *Linn. Syst. Nat.* i. 400? *Home*, *Phil. Trans.* (1809), 206, t. 6, f. 1. *Flem. Brit. An.* 164. *Jen. Man.* 503.
Selache maxima, *Müll. & Henle*, *Plag.* 71. *Bonap. Cat. Met.* 17.*
Squalus (Selache) maximus, *Rich. Faun. Bor.-Amer.* 291.
Basking Shark, *Penn. Brit. Zool.* iii. 89, pl. 13. *Id.* (edit. 1812), iii. 134, pl. 16. *Lowe*, *Faun. Orc.* 171. *Home*, *Phil. Trans.* 1809, 208.
Le Squale trés-grand, *Lacép. Poiss.* i. 209.
Cetorhinus Gunneri, C. Homianus & C. Shavianus, *Blainv. Bull. Soc. Phil.* 121.
Squalus elephas, *Lesueur*, *Trans. Acad. N. S. Phil.* ii. 350?
Selachus maximus, *Cuv. R. A.* ii. 390. *Yarr. Brit. Fish.* 2 ed. ii. 518. *Parn. Wern. Mem.* vii. 418.
Cetorhinus maximus, *Gray*, *Cat. Cart. Fish. B. M.* 61.
Sun-Fish, *Smith*, *Hist. of Cork*, ii. 292.
Sail-Fish. *Local names.*
Hoe-mother, Homer. *Orkney.*

Hab.—Coast.

7. ALOPIAS.

Alopias, *Rafin. Caratt.* 12 (1810).
Carcharhinus, *Blainv. Faune Fr.*
Carcharias, p., *Cuv. R. A.*
Squalus, p., *Gmel.*
Alopecias, *Müll. & Henle*, 74.

1. ALOPIAS VULPES. Long-tailed Shark, or Thresher.

Squalus vulpes, *Penn. Brit. Zool.* iii. 145. *Gmel. Linn.* i. 1496, pt. iii. *Bloch, Schneid. Syst. Ichth.* 127. *Turt. Brit. Faun.* 102. *Blainv. Faune Fr.* 94, pl. 14, f. 1. *Jen. Man.* 498.
Squalus (Carcharhinus) Vulpes, *Blainv. Faune Fr.* i. 94, t. 14, f. 1.
Vulpes marina, *Will. Hist. Pisc.* 54, tab. B. 6, f. 2.
Sea-Fox, Thresher, *Borlase, Cornwall*, 265.
Alopias macrourus, *Rafin. Caratt.* 12.
Carcharias vulpes, *Flem. Brit. An.* 167.
Alopias vulpes, *Bonap. Faun. Ital.* iii. 66, t. f. 1. *Müll. & Henle, Plagiost.* 74. *Yarr. Brit. Fish.* 2 ed. ii. 522. *Gray, Cat. Cart. Fish. B. M.* 64.
Alopias vulpes, *Swains. Lardn. Cycl. Fish.* ii. 313.
Long-tailed Shark, *Penn. Brit. Zool.* iii. 97, pl. 14. *Id.* (ed. 1812), iii. 145, pl. 17.
Le Squale Renard, *Lacép. Poiss.* i. 267.
Thresher, Sea-Fox, Sea-Ape. *Local names.*

HAB.—Coast.

8. HEXANCHUS.

Hexanchus, *Rafin. Caratt.* 14 (1810).
Squalus, p., *Gmel.*
Notidanus, *Cuv. R. A.* ii. 128 (1817).

1. HEXANCHUS GRISEUS. The Griset. B. M.

Hexanchus (griseus) *Rafin Caratt.* 14. *Müll. and Henle, Plagiost.* 80. *Gray, Cat. Cart. Fish. B. M.* 67.
"Hexanchus cinereus, *Risso, MSS.*" *Bonap.*
Notidanus griseus, *Cuv. R. A.* ii. 390. *Jon. Couch, Zool.* 1846, 1337, fig. *Bonap. Cat. Met.* 17.*
Squalus griseus, *Gmel. Syst. Nat.* i. 1491. *Bloch, Schneid.* iii. 127.
Squalus Vacca, *Bloch, Schneid. Syst.* 138.
Notidanus monge, *Risso, Eur. Mér.* iii. 129.

HAB.—Coast (occasional).
Isle of Wight. Presented by Capt. Swinburne, R.N.

9. ACANTHIAS.

Acanthias, *Risso. Müll. & Henle*, 83. *Gray, Cat. Cart. Fish. B. M.* 69.
Squalus, p., *L.*
Spinax, p., *Cuv. R. A.* ii. 391.

1. ACANTHIAS VULGARIS. Spined Dog-Fish. B. M.

Squalus Acanthias, *Linn. Syst. Nat.* i. 397. *Bloch, Ichth.* pl. 85. *Bloch, Schneid. Syst. Ichth.* 135. *Don. Brit. Fish.* iv. 82. *Turt. Brit. Faun.* 114. *Blainv. Faun. Fr.* 57. *Cuv. R. A.* ii. 392. *Jen. Man.* 505. *Sundev. in Wright, Skand. Fisk.* 187, t. 46.
Acanthias vulgaris, *Risso, Eur. Mér.* iii. 131. *Müll. & Henle, Plag.* 83. *Yarr. Brit. Fish.* 2 ed. ii. 524.
Galeus Acanthias sive Spinax, *Will. Hist. Pisc.* 56, t. B. 5, f. 1.
Squalus spinax, *Penn. Brit. Zool.* iii. 133.
Spinax Acanthias, *Flem. Brit. An.* 166. *Bonap. Faun. Ital.* iii. 44, t.
Squalus (Spinax) Acanthias, *Rich. Faun. Bor.-Amer.* 291. *Parn. Wern. Mem.* vii. 420.
Picked Dog-Fish, *Penn. Brit. Zool.* iii. 88.
Picked Shark, *Penn.* (ed. 1812), iii. 183.
Le Squale Aiguillat, *Lacép. Poiss.* i. 270.
Bone Dog. *Sussex.*
Sea Dog. *Scotland.*
Hoe. *Orkney.*
Spear Dog. *Cornwall.*

HAB.—Coast.
In spirits. Plymouth Sound. Mus. Leach.
Firth of Forth. From Dr. Parnell's collection.

10. DALATIAS.

Dalatias, *Rafin. Caratt. Gray, Cat. Cart. Fish. B. M.* 75.
Scymnus, *Cuv. R. A.* ii. 392.
Squalus, p., *Bloch, Schneid.*
Somniosus, p., *Lesueur.*
Scymnus and Læmargus, *Müll. & Henle.*

1. Dalatias microcephalus. Northern Shark. B. M.

Squalus borealis, *Scoresby*, *Arct. Reg.* i. 538, ii. pl. 15, f. 3, 4. *Jen. Man.* 506.
Squalus microcephalus, *Bloch*, *Schneid. Syst. Ichth.* 135, 1801.
Squalus Norwegianus, *Blainv. Faun. Fr.* 61.
Squalus glacialis, *Nilss. Prod. Ichth. Scand.* 116.
Squalus carcharias, *Gunner*, (nec *L.*). *Dronth. Gesellsch. Schrift.* ii. 330, t. 10, 11. *Müll. Prod. Zool. Dan.* 38. *O. Fabr. Faun. Gr.* 127. *Bloch*, *Ichth.* t. 119?
Somniosus brevipinna, *Lesueur*, *Journ. Acad. Sc. Phil.* i. 222.
Scymnus borealis, *Flem. Brit. An.* 166. *Yarr. Brit. Fish.* 2 ed. ii. 527.
Squalus (Scymnus) Gunneri, *Rich. Faun. Bor.-Amer.* 313.
Scymnus micropterus, *Val. Nouv. Ann. Mus.* i. 455, t. 20.
Scymnus (Læmargus) borealis, *Müll. & Henle*, *Plag.* 93.
Læmargus borealis, *Bonap. Cat. Met.* 16.*
Dalatias (Somniosus) borealis, *Gray. Cat. Cart. Fish. B. M.* 76.

Hab.—Coast of Scotland, (occasional visitant)
Stuffed. English Coast. Presented by Messrs. J. & C. Grove.

11. ECHINORHINUS.

Echinorhinus, *Blainv. Faun. Fr.*
Squalus, p., *Gmel. Syst. Nat.*
Scymnus, p., *Cuv. R. A.*
Goniodus, *Agassiz*, *Poiss. Foss.*

1. Echinorhinus spinosus. Spinous Shark.

Echinorhinus spinosus, *Blainv. Faun. Franc. Poiss.* 66, sp. 6. *Bonap. Icon. Faun. Ital.* iii. 67, t. *Cat. Met.* 16.* *Müll. & Henle*, *Plag.* 96. *Yarr. Brit. Fish.* 2 ed. ii. 532. *Smith*, *Zoologist*, 3057.
Echinorhinus obesus, *Dr. A. Smith*, *Ill. Zool. South Afr.* t. 1.
Squalus spinosus, *Gmel. Syst. Nat.* i. 1500, sp. 27. *Lacép. Hist. Nat. Poiss.* i. 30, t. 3, f. 2. *Bloch*, *Schneid.* 136, sp. 31.
Squalus brucus, *Bonn. Enc. Meth.* 11. *Risso*, *Ichth.* 42, sp. 18.
Scymnus spinosus, *Risso*, *Eur. Mér.* iii. 136, sp. 21. *Cuv. R. A.* ii. 393.
Goniodus spinosus, *Agassiz*, *Poiss. Foss.* iii. t. E. f. 13.

Hab.—Coast (an occasional visitor).

Fam. III. SQUATINIDÆ.

Squatinidæ, *Gray*, *Cat. Cart. Fish. B. M.* 78.
Squatinini, *Bonap. Selac. Tab. Anal.* 8, p.
Squalidæ anomali, *Bonap. Selac. Tab. Anal.* 4, p.

1. SQUATINA.

Squatinæ, *Swains. Lardn. Cycl. Fish.* ii. 193.
Squatina, *Dum. Zool. Anal.* 102.
Rhina, *Rafin. Caratt.* 14.
Squalus, p., *L.*

1. Squatina vulgaris. Angel Fish. B. M.

Squatina Angelus, *Cuv. R. A.* ii. 394. *Blainv. Faune Franc.* 53. *Jen. Man.* 507. *Bonap. Icon. Faun. Ital.* iii. 147, t. f. 1. *Cat. Met.* 15.* *Yarr. Brit. Fish.* 2 ed. ii. 539. *Parn. Wern. Mem.* vii. 421. *Gray, Cat. Cart. Fish. B. M.* 79.
Squatina vulgaris, *Flem. Brit. An.* 169. *Risso, Ichth.* 45. *Müll. & Henle, Plag.* 99.
Squatina, *Will. Hist. Pisc.* 79, t. D. 3.
Squatina aculeata, *Lesueur, Journ. Acad. Sc. Phil.* i. t. 1.
Squatina lævis, *Cuv. R. A.* ii. 131.
Rhina Squatina, *Rafin. Indice*, 45.
Squalus Squatina, *Linn. Syst. Nat.* i. 398: *Bloch, Ichth.* pl. 116. *Don. Brit. Fish.* i. pl. 17. *Turt. Brit. Faun.* 114. *Shaw, Nat. Misc.* xxi. pl. 906.
Squatina Europæa, *Swains. Lardn. Cycl. Fish.* ii. 321.
Var. Squatina Dumerilii, *Lesueur, Journ. Acad. Sci. Phil.* i. 225, t. 10.
Var. Lewis, *Couch, Linn. Trans.* xiv. 90.
Angel-Fish, *Penn. Brit. Zool.* iii. 86, pl. 12.* *Borlase, Cornwall*, 265, pl. 26, f. 5.
Angel-Shark, *Penn.* (ed. 1812), iii. 130, pl. 15.
Le Squale Ange, *Lacép. Poiss.* i. 293, pl. 12, f. 1.
Monk-Fish, Shark-Ray, Fiddle-Fish, Kingston. *Local names.*
Mongrel Skate. *Firth of Forth.*
Puppy-Fish, (*Donov.*)

Hab.—Coast.
Skins. Plymouth. Presented by Lieut. H. F. Spence, R.N.
English Coast. Presented by — Booker, Esq.
Firth of Forth. From Dr. Parnell's collection.

Sub-section 2. RAII.

Pisces cartilaginei, plani et lati, *Ray*, *Syn. Pisc* 81.
Platosomia, *Rafin. Anal. Nat.* 93.
Raii, *Gray*, *Cat. Cart. Fish. B. M.* 81.

Fam. I. PRISTIDIDÆ.

Pristides, p., *Müll. & Henle*, *Plag.* 105.
Pristinæ, *Swains. Lardn. Cyc. Nat. Hist. Fish.* ii. 219.
Pristididæ, *Gray*, *Cat. Cart. Fish. B. M.* 87.

1. PRISTIS.

Pristis, *Latham*, *Müll. & Henle*, 105.
Squalus, p., *Linn.*
Pristibatis, *Blainv. Faune Fr.*

1. Pristis antiquorum. The Saw-Fish.

Pristis antiquorum, *Lath. Linn. Trans.* ii. 277, pl. 26, f. 1 (Rostrum). *Cuv. R. A.* ii. 395. *Flem. Brit. An.* 164. *Jen. Man.* 508. *Bonap. Cat. Met.* 15.* *Gray*, *Cat. Cart. Fish. B. M.* 89.
Squalus Pristis, *Linn. Syst. Nat.* i. 401.
Pristis serra, *Bloch*, *Schneid.* t. 70.
Pristis granulosa, *Bloch*, *Schneid.* 352.
Pristis pectinata, *Bloch*, *Schneid.* t. 70, f. 1.
Pristibatis antiquorum, *Blainv. Faun. Fr.* 50.

Hab.—Coast (occasional visitor).

Fam. II. RAJIDÆ.

Raidæ, *Swains. Lardn. Cycl. Fish.* ii. 192. *Gray*, *Cat. Cart. Fish. B. M.* 91.
Rajæ, *Müll. & Henle*, *Plagiost.* 103.
Rajidæ, *Bonap. Specchio Gen.* 7.
Platysoma, *Latr. Fam. R. A.* 110.
Sub-order, Rajidæ, *Müll. Wiegm. Arch.* 1845, 137.

1. TORPEDO.

Torpedo, *Dumeril.*
Raja, p., *Linn.*
Sub-fam. Torpedinæ, *Swains. Lardn. Cycl. Fish.* ii. 192.
Sub-fam. Torpedinini, *Bonap. Specchio Gen.* 7.
Fam. Torpedines, *Müll. & Henle*, 126.

1. Torpedo marmorata. Electric Ray.

Raia Torpedo, *Linn. Syst. Nat.* i. 395. *Bloch, Ichth.* 122. *Don. Brit. Fish.* iii. 53. *Turt. Brit. Faun.* 110. *Blainv. Faune Fr.* 44. *Jen. Man.* 509. *Yarr. Brit. Fish.* 2 ed. ii. 542. *Müll. & Henle, Plag.* 128.
Torpedo marmorata, *Risso, Ichth.* 20, t. 3, f. 4. *Müll. & Henle, Plag.* 128. *Gray, Cat. Cart. Fish. B. M.*
Torpedo immaculata, *Rafin. Indice*, 60.
Torpedo punctata, *Rafin. Indice*, 61.
Torpedo diversicolor, *Davy, Researches*, i. 79.
Torpedo vulgaris, *Flem. Brit. An.* 169.
La Raie Torpille, *Lacép. Poiss.* i. 82.
Torpedo, *Walsh, Phil. Trans.* (1774), 464.
Torpedo Galvanii, *Risso, Ichth. Nice*, t. 3, f. 4. *Bonap. Faun. Ital.* t. , f. 3, 4, 5. *Cat. Met.* 14.
Electric Ray, *Penn. Brit. Zool.* iii. 78, pl. 10. *Id.* (edit. 1812), iii. 118, pl. 12.
The Old British Torpedo. *Yarrell.*
Common Cramp-fish, Numb-fish. *Weymouth.*
Cramp-ray, *Cornwall.*

Hab.—Coast (occasional).

2. Torpedo nobiliana. Notched Electric Ray. B. M.

Torpedo nobiliana, *Bonap. Icon. Faun. Ital.* iii. 63. *Cat. Met.* 14.* *Müll. & Henle, Plag.* 128. *Yarr. Brit. Fish.* 2 ed. ii. 546. *Gray, Cat. Cart. Fish. B. M.* 100.
Torpedo marmorata, var. sex.?
"Torpedo hebetans, *Low.*" *Bonap. Cat. Met.*
Torpedo Walshii, *Thomp. Ann. Nat. Hist.* v. 292.
Torpedo emarginata, *M'Coy, Ann. Nat. Hist.* vi. 407?
The New British Torpedo. *Yarrell.*

Hab.—Coast (an occasional visitor).
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

2. RAJA.

Raja, *L.*
Fam. Rajæ, *Müll. Wiegm. Arch.* 1845, 137.

* Batis, *Bonap. Cat. Met.* 12.

1. Raja radula. The Sandy Ray. B. M.

Raia spinosa, *Rondelet.* 355. *Yarr. Brit. Fish.* 2 ed. ii. 574.
Raia radula, *De la Roche, Ann. Mus.* xiii. 321. *Risso, Hist.* iii. 151, sp. 38. *Müll. & Henle, Plag.* 133. *Blainv. Faune Fr. Gray, Cat. Cart. Fish. B. M.* 105.
Batis radula, *Bonap. Pesc. Eur.* 12.*
Raja virgata, *Geoffr. St. Hil. Descr. Egypte*, 337, t. 26, f. 2, 3.
Raja circularis, the Sandy Ray, *Couch, Mag. Nat. Hist.* v. xi. 71. *Cornish Fauna*, 53.
Raia falsavela, *Bonap. Faun. Ital. Fasc.* xxvi.

Hab.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

** Dasybatis, p., *Blainv. Bonap. Cat. Met.* 12.

2. Raja clavata. Thorn-Back. B. M.

Raja clavata, *Linn. Syst. Nat.* i. 397. *Bloch, Ichth.* 83, ♀. *Bloch, Schneid. Syst. Ichth.* 366. *Jen. Man.* 516. *Ekstr. in Wright, Skand. Fisk.* 154, t. 35. *Müll. & Henle, Plag.* 135. *Yarr. Brit. Fish.* 2 ed. ii. 582. *Fries, Rai*, 15, t. 2, f. 1, t. 3, f. 1, 2, 3, 7. *Parn. Wern. Mem.* vii. 436, t. 42. *Gray, Cat. Cart. Fish. B. M.* 105.
Raia Rubus, *Bloch, Ichth.* 84, ♂.
" Raja spinosa, *Rafin.*" *Bonap. Blainv. Faune Fr.* 21.
Raia punctata, *Hollberg, Göth. Vett. Sällsk. Handb.* iv. 25, f. (jun.)
Raia clavata, *Don. Brit. Fish.* ii. pl. 26. *Turt. Brit. Faun.* 111. *Mont. in Wern. Mem.* ii. 416. *Flem. Brit. An.* 170. *Blainv. Faune Fr.* 33.
Dasybatis clavata, *Bonap. Icon. Faun. Ital.* t. f. 4. *Cat. Met.* 12.*
Thorn-Back, *Penn. Brit. Zool.* iii. 82, pl. 11, 12. *Id.* (ed. 1812), iii. 122, pl. 13, 14.
Raja aspera, *Risso, Ichth. Nice*, 5 (jun.)
La Raie bouclée, *Lacép. Poiss.* i. 128. *Cuv. R. A.* ii. 398.
Raja pontica, *Rathke, Krym.* t. 3.

Young Maidens, Maiden-Skates. *Firth of Forth.*
Var. Raia Cuvieri, *Neill*, *Wern. Mem.* i. 554. *Flem. Brit. An.* 172. *Jen. Man.* 518.
La Raie Cuvier, *Lacép. Poiss.* i. 141, t. 7, f. 1.
Cuvier Ray, *Penn. Brit. Zool.* (ed. 1812), iii. 124.

HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.
Firth of Forth. From Dr. Parnell's collection.

3. RAJA RADIATA. Starry Ray. B. M.

Raia radiata, *Don. Brit. Fish.* v. pl. 114, ♀, 1807. *Flem. Brit. An.* 170. *Jen. Man.* 517. *Müll. & Henle*, *Plag.* 137. *Yarr. Brit. Fish.* 2 ed. ii. 585. *Sundev. in V. Wright*, *Skand. Fisk.* 100, t. 43, ♀. *Parn. Wern. Mem.* vii. 439, t. 43. *Gray*, *Cat. Cart. Fish. B. M.* 107.
Raia fullonica, *O. Fabr. Faun. Grænl.* 125?
Raia eglanteria, *Lesueur*, *Journ. Acad. Sc. Phil.* iv. 4.
Raia clavata, *Hollberg*, *Göth. Sällsk. n. Hard.* iv. 29.
Dasybatis radiata, *Bonap. Cat. Met.* 13.*

HAB.—Coast.
Firth of Forth. From Dr. Parnell's collection.

4. RAJA BATIS. The Skate. B. M.

Raia Batis, *Linn. Syst. Nat.* i. 395. *Bloch*, *Ichth.* pl. 79. *Bloch*, *Schneid. Syst. Ichth.* 365. *Turt. Brit. Faun.* 110. *Flem. Brit. An.* 171. *Blainv. Faune Fr.* 13. *Jen. Man.* 510. *Bonap. Faun. Ital.* iii. 154, t. f. 1? *Müll. & Henlé*, *Plagiost.* 146. *Yarr. Brit. Fish.* 2 ed. ii. 561. *Gray*, *Cat. Cart. Fish. B. M.* 110.
Raia lævis undulata, seu cinerea, *Will. Hist. Pisc.* 69, tab. C. 5. *Ray*, *Syn. Pisc.* 25.
La Raie Batis, *Lacép. Poiss.* i. 35.
Var. Raia alba? *Lacép. Poiss.* v. 663, t. 21, f. 1. *Blainv. Faune Fr.* ii. 14?
Skate, *Penn. Brit. Zool.* iii. 72, pl. 9. *Id.* (ed. 1812), iii. 111, pl. 11, "Sharp-nosed Ray."
Blue Skate, Gray Skate, Dinnen Skate. *Scotland.*
Tinker. *Lyme Regis.*

HAB.—Coast.
Skins. Firth of Forth. From Dr. Parnell's collection.

*** Raia, *Bonap. Cat. Met.* 13.

5. Raja marginata. Bordered Ray. B. M.

Raia marginata, *Lacép. Poiss.* v. 663, pl. 20, f. 2. *Blainv. Faune Fr.* 19, pl. 3, f. 2. *Flem. Brit. An.* 172. *Bonap. Faun. Ital.* iii. 32. *Jen. Man.* 512. *Müll. & Henle*, 140. *Yarr. Brit. Fish.* 2 ed. ii. 564. *Gray, Cat. Cart. Fish. B. M.* 108.
Raja rostrata, *Lacép.* iv. 672 (*nec Blainv.*)
Raja rostellata, *Risso, Ichth.* 8.
Raja bicolor, *Risso, Eur. Mer.* iii. 155.

Hab.—Coast.
In spirits. Lyme Regis. Presented by the Earl of Enniskillen.

6. Raja fullonica. Shagreen Ray. B. M.

Raia fullonica, *Ascan. Icon.* t. 43. *Yarr. Brit. Fish.* 2 ed. ii. 578. *Müll. & Henle, Plag.* 145. *Gray, Cat. Cart. Fish. B. M.* 110.
Raia chagrinea, *Mont. in Wern. Mem.* ii. 420, pl. 21. *Turt. Brit. Faun.* 111. *Jen. Man.* 513. *Parn. Wern. Mem.* vii. 431, t. 41.
Raja gallica, *Walb. Artedi*, iii. 533.
La Raie chardon, *Lacép. Poiss.* i. 79.
La Raie chagrinée, *Lacép. Poiss.* i. 81.
Raja aspera nostras, *Will. Hist. Pisc.* 78.
Raia granulosa, *Bloch, Schneid. Syst. Ichth.* 368.
Raia aspera, *Flem. Brit. An.* 172. *Blainv. Faune Fr.* 22?
Raja flossada, *Risso, Eur. Mer.* iii. 145.
Shagreen Ray, *Penn. Brit. Zool.* iii. 77. *Id.* (edit. 1812), iii. 117.
Rough Flapper. *Firth of Forth.*
Dun Cow. *Devonshire.*
French Ray, White Horse or White Hause. *Partly Scarborough.*

Hab.—Coast.
Firth of Forth. From Dr. Parnell's collection.

7. Raja oxyrhynchus. Homelyn or Spotted Ray. B. M.

Raja oxyrhynchus, p., *Linn. Syst. Nat.* i. 395. *Walb. Artedi*, iii. 530. *Gray, Cat. Cart. Fish. B. M.* 111.
Raia maculata, *Montagu, Wern. Mem.* ii. 426. *Jen. Man.* 514. *Parn. Wern. Mem.* vii. 434, t. 42.

Raia Rubus, *Don. Brit. Fish.* i. pl. 20. *Turt. Brit. Faun.* 111.
Raja asterias, *De la Roche, Ann. Mus.* xiii. t. 20, f. 1. *Müll. & Henle, Plag.* 139. *Gray, Cat. Cart. Fish. B. M.* 108.
Raja fullonica, *Walb. Artedi*, iii. 529.
Fuller Ray, *Penn. Brit. Zool.* iii. 86 (Syn. excl.) *Id.* (ed. 1812), iii. 116 (Syn. excl.)
Raja speculum, *Blainv. Faune Fr.* 29, t. 4, f. 1.
Raja Miraletus, p., *Linn. Syst. Nat.* i. 396. *Yarr. Brit. Fish.* 2 ed. ii. 570. *Bonap. Faun. Ital.* iii. 17, t. ? *Müll. & Henle*, 141.
Raia Miraletus, *Don. Brit. Fish.* v. pl. 103. *Turt. Brit. Faun.* 111. *Blainv. Faune Fr.* ii. 27, t. 5, f. 1. *Jen. Man.* 518. *Müll. & Henle, Plag.* 141. *Yarr. Brit. Fish.* 2 ed. ii. 570.
La Raie Miralet, *Lacép. Poiss.* i. 75.
Raia oculata (Mirror Ray), *Flem. Brit. An.* 172.
Raja biocularis, *Geoffr. St. Hil. Descr. Egypte*, t. 27, f. 2.
Raja quadrimaculata, *Risso, Eur. Mer.* iii. 150.
White Hans or Gullet. (p.) *Scarborough.*
Var. Raja mosaica, *Lacép. Poiss.* iv. 675 ?

Hab.—Coast.
Skins and in spirits. Polperro. Presented by Jonathan Couch, Esq.
British Channel.
Firth of Forth. From Dr. Parnell's collection.

8. Raja microcellata. Small-eyed Ray.

Raia microcellata, *Montagu, Wern. Mem.* ii. 430. *Flem. Brit. An.* 171. *Müll. & Henle, Plag.* 142. *Jen. Man.* 515. *M'Coy, Ann. Nat. Hist.* vi. 407. *Yarr. Brit. Fish.* 2 ed. ii. 567. *Gray, Cat. Cart. Fish. B. M.* 109.
Painted Ray. *Couch.*

Hab.—Coast.

9. Raja intermedia. The Flapper Skate. B. M.

Raia intermedia, *Parn. Proc. Roy. Soc. Edinb.* 1837, 166. *Parn. Trans. Roy. Soc. Edinb.* xiv. pl. 6. *Parn. Wern. Mem.* vii. 429, pl. 40, & pl. 41, var. *Müll. & Henle, Plagiost.* 147. *Yarr. Brit. Fish.* ii. 2 ed. 558.
"Raja macrorhynchus? *Rafin.*" *Bonap.*
Læviraja macrorhynchus, *Bonap. Cat. Met. Pesc. Eur.* 13.

Raja Vomer, *Fries?* *Gray*, *Cat. Cart. Fish. B. M.* 110?
The Flapper Skate. *Parnell.*

HAB.—Coast.
Skin. Firth of Forth. From Dr. Parnell's collection.
English Coast.

10. RAJA LINTEA. Sharp-nosed Ray. B. M.

Raja oxyrhynchus, *Montagu*, *Wern. Mem.* ii. 423. *Jen. Man.* 511. *Yarr. Brit. Fish.* 2 ed. ii. 556. *Parn. Wern. Mem.* vii. 427.
Sharp-nosed Ray, *Penn. Brit. Zool.* iii. 73. *Id.* (ed. 1812), iii. 113, but not pl. 2.
La Raie oxyrinque, *Lacép. Poiss.* i. 72 (pl. 4, f. 1?)
Raia lintea, *Fries*, *Ichth. Scand.* 29. *Müll. & Henle*, 147. *Gray*, *Cat. Cart. Fish. B. M.* 111.
Dasybatis Pennanti, *Bonap. Cat. Met.* 13.*
White Skate, Friar Skate, May Skate, Mavis Skate. *Scotland.*
Burton Skate. *Cornwall.*

HAB.—Coast.
Plymouth. Presented by Lieut. H. F. Spence, R.N.

**** Læviraja, *Bonap. Cat. Met.* 13.

11. RAJA ACUS. Long-nosed Skate.

Raia mucronata, *Yarr. Brit. Fish.* 2 ed. ii. 550.
Raia rostrata, *Risso*, *Ichth. Nice*, 7. *Blainv. Faune Fr.* 30.
Raia mucosissima, *Nardo*, *Prod. Ichth. Adr.* sp. 9.
Raja acus, *Lacép. Poiss.* v. 665?
Læviraja oxyrhynchus, *Bonap. Icon. Faun. Ital.* iii. 130. t. f. 1?
Raia vomer, *Fries*, *Ichth. Scand.?*

HAB.—Coast.

3. CEPHALOPTERA.

Cephaloptera, *Dumeril.*
Dicerobatis, *Blainv. Faune Fr.* ii. 40.
Pterocephala, *Swains. Lardn. Cycl. Fish.* ii. 321.
Raia, p., *Auct.*
Mobula, p., *Rafin.*
Fam. Cephalopteræ, *Müll. Wiegm. Arch.* 1845, 137.

cephalopterus (Pterocephalus) fabricianus
Mus. Coy. ann & mag N H 1841 xix 176 t xi

1. CEPHALOPTERA GIORNA. The Horned Ray.

Cephaloptera Giorna, *Risso*, *Eur. Mer.* iii. 163, pl. 5. *Müll. & Henle*, *Plagiost.* 184. *Yarr. Brit. Fish*, 2 ed. ii. 595. *Bonap. Pesc. Eur.* 11.* *Gray*, *Cat. Cart. Fish. B. M.* 133.
Raia Giorna, *Jen. Man.* 519.
Pterocephala Giorna, *Swains. Lardn. Cycl. Fish.* ii. 321.
Cephaloptera Massena, *Risso*, *Eur. Mer.* iii. 164.
Raia (Dicerobatis) mobular, *Blainv. Faune Fr.* ii. 41.
Raja fabroniana, *Lacép. Poiss.* ii. 111?
"Mobula auriculata, *Rafin.*" *Bonap.*
Cephaloptera, sp., *Thomp. Proc. Zool. Soc.* 1835, 78. *M'Coy, Ann. & Mag. Nat. Hist.* xix. 176, 1847. ~~Ex~~ 11.2

HAB.—Coast (occasional visitor). - Ireland McCoy

4. MYLIOBATIS.

Myliobatis, *Dum.*, *Cuv. R. A.* ii. 400. *Müll. & Henle*, *Plagiost.* 176.
Aetobatis, *Blainv. Faune Fr.* ii. 38.
Leiobatus, p., *Rafin.*
Raia, p., *Linn.*
Fam. Myliobatides, *Müll. Wiegm. Arch.* 1845, 137.

1. MYLIOBATIS AQUILA. Whip Ray.

Raja Aquila, *Linn. Syst. Nat.* i. 396? *Blainv. Faune Fr.* 38, pl. 7?
Raja Ajereba, *Walb. Artedi*, iii. 535.
Aquila Bellonii, *Willughby*, 64, c. 2.
La Raie Aigle, *Lacép. Poiss.* i. 104.
Myliobatis noctula, *Bonap. Faun. Ital. Fasc.* 2.
Myliobatis aquila, *Johnston*, *Proc. Berw. Nat. Club*, *Sept.* 1839. *Bonap. Faun. Ital. Fasc.* 2. *Müll. & Henle*, *Plagiost.* 176. *Yarr. Brit. Fish.* 2 ed. ii. 591. *Gray*, *Cat. Cart. Fish. B. M.* 128.
Myliobatis bovina, *Geoffr. St. Hil. Descr. Egypte*, 336, t. 26, f. 1?
Whip Ray, *Penn. Brit. Zool.* iii. 77. *Id.* (ed. 1812), iii. 128. *Jen. Man.* 519.
Eagle Ray. *Yarrell.*

HAB.—Coast (occasional visitor).

5. TRYGON.

Trygon, *Adanson*, *Cuv. R. A.* ii. 399.
Dasyatis, p., *Rafin.*
Trygonobatis, *Blainv. Faune Fr.* ii. 35.
Pastinaca, *Swains. Lardn. Cycl. Fish.* ii. 319.
Fam. Trygones, *Müll. Wiegm. Arch.* 1845, 137.

1. TRYGON PASTINACA. Sting Ray. B. M.

Raja Pastinaca, *Linn. Syst. Nat.* i. 396. *Bloch*, *Ichth.* pl. 82. *Bloch*, *Schneid. Syst. Ichth.* 360. *Don. Brit. Fish.* v. pl. 99 ("Pastinacea"). *Turt. Brit. Faun.* 112. *Blainv. Faune Fr.* 35, pl. 6. *Jen. Man.* 518.
Pastinaca olivacea, *Swains. Lardn. Cycl. Fish.* ii. 319.
Pastinaca marina, *Will. Hist. Pisc.* 67, tab. C. 3.
La Raie Pastenaque, *Lacép. Poiss.* i. 114.
Trygon Pastinaca, *Flem. Brit. An.* 170. *Bonap. Faun. Ital.* 33, t. *Müll. & Henle*, *Plagiost.* 161. *Yarr. Brit. Fish.* 2 ed. ii. 588. *Parn. Wern. Mem.* vii. 440, t. 43. *Gray*, *Cat. Cart. Fish. B. M.* 118.
Trygon lymma, *Geoffr. St. Hil. Descr. Egypte.* 333, t. 27, f. 1.
Trygon vulgaris, *Risso*, *Eur. Mer.* iii. 160.
Sting-Ray, *Penn. Brit. Zool.* iii. 83. *Id.* (ed. 1812), iii. 125.
Fire Flaire. *Local name.*
Var. with two spines, Cardinal Trilost. *Cornwall.*
HAB.—Coast.
Skin. Plymouth. Presented by Lieut. H. F. Spence, R.N.

Sub-order III. CYCLOSTOMI.

Diporobranchia, *Latr. Fam. R. A.* 112 (Gastrobranchus), 1826.
Marsipobranchii, *Bonap. Specchio Gen.* 11.
Helminthoidei, *Bonap. Specchio Gen.* 11.
Marsipobranchii seu Cyclostomi, *Müll. Wiegm. Arch.* 1845, 137.
Placoïdes, p., *Agassiz*, *Poiss. Foss.* iii. (1833).
Hyperoartii, *Müll. Wiegm. Arch.* 1845, 137.
Suceurs, *Cuv. R. A.* ii. 402 (1829).
Cyclostomes, *Dum. Zool. Anal.* 101 (1806).
Cyclostomata, *Rich. Faun. Bor.-Amer.* xii.
Cyclostomi, *Jen. Man.* *Parn. Fish. Firth of Forth*, 282. *Bonap. Specchio Gen.* 11. *Gray*, *Cat. Cart. Fish. B. M.* 136.

Fam. I. PETROMYZONIDÆ.

Dipterygii apodes et Achiri, p., *Bloch, Schneid. Syst.* 60.
Monopterygii apodes et Achiri, p. *Bloch, Schneid. Syst.* 60.
Lampredini, *Rafin. Indice*, 49.
Aulædibranchia, *Latr. Fam. R. A.* 111 (1826).
Petromyzonidæ, *Swains. Lardn. Cycl. Fish.* ii. 196.
Petromyzonidæ, Petromyzonini, *Bonap. Specchio Gen.* 11.
Petromyzidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Yarr. Brit. Fish.* ii. 598.
Petromyzonini, *Müller, Weigm. Arch.* 1845, 137.

1. PETROMYZON.

Petromyzon, *L.*

1. Petromyzon marinus. Sea Lamprey. B. M.

Petromyzon marinus, *Linn. Syst. Nat.* i. 394. *Bloch, Ichth.* pl. 77. *Bloch, Schneid. Syst. Ichth.* 530. *Don. Brit. Fish.* iv. pl. 81. *Turt. Brit. Faun.* 109. *Flem. Brit. An.* 163. *Cuv. R. A.* ii. 404. *Blainv. Faune Fr.* ii. 5, t. 1, f. 1—2. *Jen. Man.* 520. *Yarr. Brit. Fish.* 2 ed. ii. 598. *Parn. Wern. Mem.* vii. 442. *Gray, Cat. Cart. Fish. B. M.* 138.
Lampetra Rondeletii, *Will. Hist. Pisc.* 105, tab. G. 2, f. 2.
Petromyzon maximus, *Cuv. R. A.* ii. 118 (ed. 1817).
Petromyzon Lamproie, *Lacép. Poiss.* i. 3, pl. 1, f. 1.
Sea Lamprey, *Penn. Brit. Zool.* iii. 67, pl. 8, No. 27. *Id.* (ed. 1812), iii. 102, pl. 10.
The Lamprey. *Yarrell.*
Var. P. Juræ, *Macculloch, West. Isl.* ii. 186, t. 29, f. 1.

Hab.—Coast.
Devonshire.
Firth of Forth. From Dr. Parnell's collection.

2. LAMPETRA.

Lampetra, sp., *Ray, Syn. Pisc.*
Petromyzon, sp., *Linn.*
Lampetra, *Gray, Proc. Zool. Soc.* 1851.

[B. M.

1. Lampetra fluviatilis. The Lampern or River Lamprey.

Petromyzon fluviatilis, *Linn. Syst. Nat.* i. 394. *Bloch, Ichth.* pl. 78, f. 1. *Bloch, Schneid. Syst. Ichth.* 531. *Don. Brit. Fish.* iii. pl. 54. *Turt. Brit. Faun.* 110. *Flem. Brit. An.* 163. *Cuv. R. A.* ii. 404. *Blainv. Faune Fr.* ii. 6, t. 2, f. 1. *Jen. Man.* 521. *Yarr. Brit. Fish.* 2 edit. ii. 604. *Parn. Wern. Mem.* vii. 444.
Petromyzon fluviatilis, *Cuv. R. A.* ii. 118 (ed. 1817). *Rich. Faun. Bor.-Amer.* 294.
Lampetra fluviatilis, *Gray, Cat. Cart. Fish. B. M.* 140.
Lampetræ medium genus, *Will. Hist. Pisc.* 106, tab. G. 3, f. 2.
Var. Petromyzon Pricka, *Lacép. Poiss.* i. 18.
Lesser Lamprey, *Penn. Brit. Zool.* iii. 70, pl. 8, No. 28. *Id.* (ed. 1812), iii. 106, pl. 10.
Lampern, Nine-eyed Eel. *Scotland.*

Hab.—Rivers.
Thames. Presented by Mr. John Doubleday.
Devon. Mus. Leach.

2. Lampetra Planeri. Fringed-lipped Lamprey. B. M.

Petromyzon Planeri, *Bloch, Ichth.* t. 78, f. 3. *Bloch, Schneid. Syst. Ichth.* 532. *Cuv. R. A.* ii. 404. *Nilss. Prod. Ichth. Scand.* 122. *Blainv. Faune Fr.* ii. 8, t. 1, f. 3. *Jen. Man.* 522. *Yarr. Brit. Fish.* 2 ed. ii. 607. *Parn. Wern. Mem.* vii. 446.
Lampetra parva et fluviatilis, *Will. Hist. Pisc.* 104, tab. G. 2, f. 1?
Lampetra Planeri, *Gray, Cat. Cart. Fish. B. M.* 141.
Var. Petromyzon sanguisuga, *Lacép. Poiss.* ii. 101.
Le Petromyzon Planer, *Lacép. Poiss.* i. 30, pl. 3, f. 1.
Fringed-lipped Lamprey. *Yarrell.*

Hab.—Rivers.
Devonshire.
Firth of Forth. From Dr. Parnell's collection.

3. AMMOCÆTES.

Ammocætes, *Dumeril.*
Petromyzon, p., *Linn.*

1. Ammocætes branchialis. The Pride or Sandpiper. B. M.

Ammocætes branchialis, *Flem. Brit. An.* 164. *Blainv. Faune Fr.* ii. 3, t. 2, f. 3 & 4. *Jen. Man.* 522. *Yarr. Brit. Fish.* 2 ed. ii. 609. *Parn. Wern. Mem.* vii. 447. *Gray, Cat. Cart. Fish. B. M.* 145.
Petromyzon branchialis, *Linn. Syst. Nat.* ii. 394. *Bloch, Ichth.* pl. 78, f. 2. *Bloch, Schneid. Syst. Ichth.* 532. *Turt. Brit. Faun.* 110.
Le Petromyzon lamproyon, *Lacép. Poiss.* i. 26, pl. 2, f. 1.
Var. Petromyzon ruber, *Lacép. Poiss.* ii. 100.
Petromyzon cæcus, *Couch, Loud. Mag. of Nat. Hist.* v. 23, f. 10.
Lampetra cæca, *Will. Hist. Pisc.* 107, fig. G. 3, f. 1. *Ray. Syn. Pisc.* 36.
Pride, *Plot, Oxfordsh.* 187, pl. 10. *Penn. Brit. Zool.* iii. 71, pl. 8, No. 29. *Id.* (ed. 1812), iii. 107, pl. 10.
Stone-grig. *Local name.*
Sand-pride. *Hampton.*
Mud Lamprey. *Local name.*

Hab.—Rivers.
Eton. Presented by Dr. Goodall.
Tweed, River Allan. From Dr. Parnell's collection.

Fam. II. MYXINIDÆ.

Myxinia, *Rafin. Anal. Nat.* 98.
Myxinidæ, Myxinini, *Bonap. Specchio Gen.* 11.
Myxinoidei, *Müller, Wiegm. Arch.* 1845, 138.
Hyperotreti, *Müller, Wiegm. Arch.* 1845, 138.

1. MYXINE.

Myxine, *Linn. Syst. Nat.*
Gastrobranchus, *Bloch.*

1. Myxine glutinosa. The Glutinous Hag or Myxine. B. M.

Myxine glutinosa, *Linn. Syst. Nat.* i. 1080. *Flem. Brit. An.* 164. *Nilss. Prod. Ichth. Scand.* 123. *Jen. Man.* 523. *Wright, Ekstr. & Sundev. Skand. Fisk.* 121, t. 28. *Gray, Cat. Cart. Fish. B. M.* 147.

Petromyzon Myxine, *Walb. Artedi*, iii. 500.
Gastrobranchus cæcus, *Bloch, Ichth.* pl. 413. *Bloch, Schneid. Syst. Ichth.* 103, f. 2. *Shaw, Nat. Misc.* x. pl. 362. *Turt. Brit. Faun.* 110. *Yarr. Brit. Fish.* 2 ed. ii. 612.
Myxine cæca, *Blainv. Faune Fr.* ii. 2, t. 1, *a*.
Glutinous Hag, *Penn. Brit. Zool.* iv. 33, pl. 20, f. 15. *Id.* (edit. 1812), iii. 109.
Le Gastrobranche aveugle, *Lacép. Poiss.* i. 525.
Borer. *Local name.*

HAB.—Coast.
Yorkshire. Presented by Rev. J. Dalton.
Berwick. From Dr. Parnell's collection.

Fam. III. AMPHIOXIDÆ.

Amphioxidæ, *Gray, Syn. Brit. Mus.* 1842, 150. *Gray, Cat. Cart. Fish. B. M.* 149.
Branchiostomidæ, Branchiostomini, *Bonap. Specchio Gen.* 11.
Petromyzidæ, p., *Yarr. Brit. Fish.* 2 edit. ii. 618.
Leptocardii, Amphioxini, *Müll. Wiegm. Arch.* 1845, 138.

1. BRANCHIOSTOMA.

Branchiostoma, *Costa, Faun. R. Nap.* 1834.
Limax, p., *Pallas. Spic. Zool.*
Amphioxus, *Gray, in Yarr. Brit. Fish.* ii. (1836).

1. BRANCHIOSTOMA LANCEOLATUM. The Lancelet. B. M.

Amphioxus lanceolatus, *Yarr. Brit. Fish.* 2 ed. ii. 618. *Couch, Mag. Nat. Hist.* 1838, *and Corn. Faun.* 54. *Goodsir, Trans. Roy. Soc. Edin.* xv. 1 (1841), *Anat. Gray, Cat. Cart. Fish. B. M.* 150.
Limax lanceolatus, *Pallas, Spic. Zool.* x. 19, t. 1, f. 11.
Branchiostoma lubricum, *Costa, Faun. Nap.* t. 30.
Branchiostoma lanceolatum, *Bonap. Pesc. Eur.* 92.

HAB.—Coast.
In spirits. Polperro. Presented by Jonathan Couch, Esq.

INDEX.

A.

Abdominales, Mal. 58
Abdominalia, Mal. 58
abdominaux, Mal. 58
Abramis, 62
Abramis Blicca, 63
,, Brama, 62
,, Buggenhagii, 63
Acanthias, 131
Acanthopteri, 1
Acanthopteryges, 1
Acanthopterygia, 1
Acanthopterygiens, 1
Acanthopterygii, 1
Acanthopterygious Fishes, 1
Acanthopomes, 8, 9, 15
Acanthopsis, 69
Acanthorhina, 121
Acanthorrhini, 121
Acanthias, Squalus, 131
,, vulgaris, 131
Acantholabrus, 24
,, Couchii, 25
,, exoletus, 25
,, Yarrellii, 25
Acanthophthalmus, 69
Acarnane, 19
acarne, Pagrus, 19
Acerina, 11
Acestra, 43
Acipenser, 120
,, Huso, 121
,, latirostris, 121
,, Sturio, 121
Acipenseridæ, 120
aculeata, Sq. 133
aculeatus, Gaster. 35
,, Lophius, 57
,, Rhombus, 102
Acus, 42
acus, Belone, 71
,, Carapus, 51
,, Raja, 140
,, Syngn. 42
acutirostris, Anguilla, 111
Adder, Great Sea, 37
Adder, Painted Sea, 43
Adder-pike, 13
Adriatica, Trigla, 3
Æglefinus, Gadus, 88
,, Merlangus, 88
,, Morrhua, 88
æquorea, Acestra, 43
æquoreus, Syngn. 43
Aetobatis, 141
Agonus, 7
,, cataphractus, 7
Aigle, La Raie, 141
Aiguillat, Le Squale, 131
Ajereba, Raja, 141
Alalonga, Thynnus, 31
alatunga, Scomber, 31
alba, Clupea, 84
,, Raia, 137
,, Rogenia, 85
Albacore, 34
albidus, Gadus, 96
albus, Asellus, 90
,, Gadus, 90
,, Gobius, 53
,, Merlangus, 90
,, Salmo, 74, 75
albula, Salmo, 81
Alburnus, 67
alburnus, Cyprin. 84
,, Leucisc. 67
alliciens, Ammod. 115
Alopecias, 129
Alopias, 129
Alopias Vulpes, 130
Alosa, 85
alosa, Clupea, 85
Alpine Salmon, 78
alpinus, Salmo, 78
Ammocœtes, 144
Ammocœtes branchialis, 145
Ammodytes, 114
Ammodytes alliciens, 115
,, Tobianus, 114
Ammodytidæ, 113
Amphioxidæ, 146
Amphioxini, 146
Amphioxus, 146
Anarrhichas, 50
Anarrhichas Lupus, 50
Anchovy, 86
Ange, Le Squale, 133
Angel Fish, 133
Angel Shark, 133
Angelus, Sq. 133
Angler, Common, 56
Anglesea Morris, 114
Anglorum, Ammod. 114
,, Lumpus, 109
Anguilla, 110
Anguilla acutirostris, 111
,, latirostris, 111
,, Muræna, 111
,, mediorostris, 111
Anguillidæ, 110
Anguillidi, 110
Anguilliformes, 110, 113
Anguillini, 110
Anguilloides, 110
anguineus, Syngn. 43
annulatus, Squalus, 124
antecessor, Gaster. 34
antiquorum, Hippoc. 45
,, Pristis, 134
aper, Labrus, 20
,, Zeus, 41
aphya, Cyprin. 68
,, Gobius, 53
Aphyostomes, p. 45
Apoda, Malacopterygii, 110
Apodes, 110
,, Dipterygii, 142
,, Monopterygii, 142
,, Malacopterygiens, 110
aquila, Cheilodipt. 16
,, Myliob. 141
,, Raja, 141
,, Sciæna, 16
arctica, Argentina, 79
arcticus, Bogm. 40
arenarius, Pleuronec. 103
Argentina, 82
,, Yarrelli, 79
Argentine, Sheppy, 82
argenteola, Motella, 95

argenteolus, Gadus, 95
argenteus, Fario, 76
,, Lepid. 32
,, Leucisc. 66
,, Sparus, 17
argyrea, Scarc. 32
argyreus, Lepid. 32
Aristotelis, Acus, 43
armatus, Aspidoph. 8
,, Trich. 33
Armigenæ, 2
Arnoglossus, Pleuro. 104
,, Rhombus, 105
arrosti, Echen. 56
Artedi, Scyllium, 124
Ascanii, Gymn. 40
Ascensionis, Scomber, 34
Asellus, 87
asper, Passer, 100
aspera, Mola, 117
,, Raja, 136, 138
Aspidofory, 8
Aspidophorus, 7
Aspius, 64
Aspredo, 12
Asterias, Raja, 139
Atherina, 26
Atherina Presbyter, 26
Atherine, 26
Atherinidæ, 26
Atherinini, 26
Atractosomes, 29
Auchenopteres, 9, 51, 54, 87
Aulostomides, 45
Aulostominæ, 45
Aurata, Chrys. 17
,, Rondeletii, 17
auratus, Cyprin. 60
auriculata, Mobula, 141
Ausonii, Salar, 77
Auxis, 32
,, Bisus, 32
Aveugle, LeGastrobranche 146
Axillary Sea Bream, 19
Azurine, 67
Azureus, Leucisc. 67

B.

Bagies, 68
Balanus, Labrus, 21
Balistes Capriscus, 118
Balistidæ, 118
Balistini, 118
Ballan, Labrus, 20
,, Wrasse, 20
ballanus, Labrus, 21
Ballerus, Cypr. 63
Band-fish, Red, 54
Banksii, Gymn. 40
barbarus, Syngn. 44
barbatula, Cobitis; 69
barbatum, Ophid. 50
barbatus, Gadus, 88, 89
,, Lophius, 57
,, Mullus, 14
,, Rhombus, 103
Barbel, The, 60
Barbus, 60, 97
,, barbus, 60
Bard, 50
Basking Shark, 129
Basse, Common, 10
Batis, 136
Batrachocephalus, 96
Batrachoideæ, 56
Batrachoides, 96
Batrachus, 56
Baudroie, Le, 57
Bavense commune, 48
Beaumaris Shark, 129
Beard, Greater-forked, 96
Bearded Maigre, 15
,, Ophidium, 50
Beardie, 69
Beardless Ophidium, 51
Becasse, Centr. 46
Becker, 17
Bellonii, Aquila, 141
,, Passer, 98
Bellows Fish, 46
Belone, 71
,, vulgaris, 71
Belonii, Dentex, 19
Belonini, 70
Belted Bonito, 31
Berda, Sparus, 19
berg-galt, Labrus, 21
Bergylt, 8
bergylta, Labrus, 20
Bib and Blinds, 89
Bib and Pout, 88
bib, Gadus, 89
Bibben Pout, 89
biciliatus, Lepadog. 108
bicolor, Raja, 138
,, Tetraodon, 117
bifurcus, Gadus, 96
,, Phycis, 96
Bimaculated Wrasse, 22
bimaculatus, Gobies, 108
,, Labrus, 22
,, Lepadog. 108
bimacule, Le Cycloptere, 108
binotatus, Centron. 34
biocularis, Raja, 139
bipunctatus, Gobius, 52
Birdbolt, 93
Bismore, 37
Bisus, Auxis, 32
bjoerkna, Blicca, 63
Black Bream, 16
Black-fin, 13
Black Fish, 39
,, Goby, 52
Black-mouthed Dog-fish, 124
Black Sea Bream, 16
Blade Fish, 33
Bleak, The, 67
Blennidæ, 46
Blennides, p. 52
Blennidi, 51
Blenniidæ, 46
Blennini, 46
Blennius, 46, 95, 96
,, Gattorugine, 47
,, Montagui, 46
,, ocellaris, 46
,, Pennantii, 47
Blenniusidæ, 46
Blennioides, Batrachocep. 97
blennoides, Phycis, 96
Blenny, Viviparous, 49
Blens and Blinds, 89
Blicca, 63
,, Abramis, 63
Bliccopsis, 63
Blick, 67
Blochii, Trigla, 4
Blue Lump, 109
,, Roach, 67
,, Shark, 125
,, Skate, 137
Blue-striped Wrasse, 22
Blunt-headed Eel, 111
Boar Fish, 41
Boger, 19
Bogmarus, 40
,, arcticus, 40
Bone Dog, 131
Bonite des Tropiques, 31
Bonito, 31
Bony Pike, 86
Boops, 20
boops, Boops, 20
borealis, Pleuronec. 98
,, Merluccius, 92
,, Scopelus, 82
,, Squalus, 132
Botia, 69
,, Tænia, 69
Bouches en flute, 45
bouclee, La Raie, 136
Bounce, 123, 124
Bovina, Myliob. 141
Box, 20
brachycentrus, Gaster. 35
Braize, 17
Braise, 65

Brama, 28
,, Raii, 28
,, pinna-squamata, 29
Bramadæ, 28
Branchiostoma, 146
,, lanceolatum, 146
branchialis, Ammo. 145
Branchiostomidæ, 146
Branchiostomini, 146
Branchiostegi, 116
Brandling, 77
Brasiliensis ? Esox, 72
Brassie, 89
Bream, 62
Bream-flat, 63
Brett, 103
brevis, Cephalus, 117
brevirostris, Hippoc. 45
brevipinna, Somniosus, 132
Brill, The, 102
Brismack, 95
Britannicus, Mugil. 27
British Herring, 83
Broad-nosed Eel, 111
Brosme, Brosmius, 95
,, Enchelyopus, 95
,, Gadus, 95
Brosmus, 95
Brosmius, 95
Browny, 103
Brown Whistler, 94
brucus, Squalus, 132
Bubalis, Cottus, 7
Buggenhagii, Abramis, 63
buglossa, Solea, 105
Buglossus, 105
Bulcard, 48
Bull-head, Armed, 7
Bull-head, River, 6
Bull Trout, 76
buniva, Balistes, 119
Burbot, 93
Burnstickle, 36
Burn Trout, 77
Burton Skate, 140
Butt, 99
Butter-fish, 49
Butterfly Fish, 46

C.

Cabrilla, Serran. 11
Cambricus, Salmo, 76
Camperii, Scomberesox, 71
Callarias, Asellus, 96
,, Gadus, 87
,, (Jun.) Gadus, 88
,, Morrhua, 87
Callionymidæ, 54
Callionymini, 54
Callionymus, 54
,, Lyra, 55
candidissimus, Leptoc. 114
canicula, Scyllium, 123
caniculum, Scyllium, 123
caniculus, Squalus, 123
Cantharini, 16
Cantharus, 16
Canthileptes, 2
capelanus, Gadus, 89
Capito, Mugil. 27
Capriscus, 118
,, Balistes, 118
Capros, 41
Capros aper, 41
Captain, Long-finned, 5
Caranx, 37
,, trachurus, 37
Carapus, 51
Carassius, 58, 59
,, Cyprin. 59
carbonarius, Gadus, 90, 91
,, Merlang. 90, 91
Carcharias, 125, 126, 129
,, Squalus, 125, 132
Carcharinus, 125, 128, 129
Cardina, Pleuronec. 104
carneus, Labrus, 22
Carp, Common, 59
Carp-bream, 62
Carpio, 58
,, Cyprinus, 59
,, Salmo, 78
Carter, 104
Cartilaginei, Pisces plani et lati, 134
Cartilagines, 120
carudse, Sparus, 24
Case Charr, 78
caspia, Cobitis, 69
Castagnole, La, 2
Castaneola, Sparus, 28
casurus, Pleuronec. 105
cataphracta, Trigla, 5
Cataphracti, 2
cataphractum, Perist. 5
Cataphractus, 7
cataphractus, Agonus, 7
,, Cottus, 7
Cat-fish, 50
Catopoda, 58
Catulus, Scyllium, 124
,, Squalus, 123
caudatus, Lepid. 32
Centrischini, 45
Centriscidæ, 45
Centriscini, 45
Centriscus, 45
,, Scolopax, 45
Centronotini, 29
centrodontus, Sparus, 18
Centrolophini, 38
Centrolophus, 39
,, Pompilus, 39
Centronotus, 34, 48
,, Ductor, 34
,, gunnellus, 48
Centropomus, 10
Cepedei, Coreg. 81
Cephalacæna, 9
Cephaloptera, 140
,, Giorna, 141
Cephalotes, 6
Cephalus, 117
cephalus, Leuciscc. 65
,, Mugil. 27
Cepola, 54
,, longicauda, 54
,, rubescens, 54
Cepolidæ, 39, 52
Cepolini, 39
Cerna, 1
Cernua, 11
,, Gymnoc. 12
cernium, Polypr. 12
Cetorhinus, 129
,, maximus, 129
Cetti, Sparus, 19
Chabrontera, 5
Chad, 19
Chætodonidæ, 15
Chætodontidæ, 28
Chætodontini, 28
Chætodontoideæ, 28
chagrinea, Raja, 138
chagrinee, La Raie, 138
Channus, Perca, 11
Chanticleer, 55
Char, 78
Characini, 74
chardon, La Raie, 138
Charr, 78
Cheilodipterus, 15
Chelo, Mugil. 27
Chimæra, 122
,, monstrosa, 122
Chimeridæ, 121
Chimæridæ, 121
Chimere arctique, La, 122
Chismopnes, 56, 118, 120
chlorosteon, Enchely, 49
Chondrodei, p., 56, 116, 120
Chondropterygia, 120
Chondropterygiens, 120
Chondropterygii, Pisces, 120
Chondrotteri, 122
chrysitis, Tinca, 62
Chrysophris, 17

Chrysophrys, 17
chrysoprasius, Cyprin. 68
Chrysotosus, 38
Chub, 65
Cichla, 19
Ciliata, 95
cimbria, Motella, 94
cimbrica, Motella, 94
cimbricus, Enchelyopus, 94
cimbrius, Gadus, 94
cinereus, Hexanchus, 130
Ciprinidi, p., 27
circularis, Raja, 136
cirrhosa, Umbr. 15
cirrhosus, Johnius, 15
clavata, Raia, 136, 137
cloacina, Anguilla, 111
Clupea, 82
,, Harengus, 83
,, Leachii, 83
,, macrocephala, 84
,, Pilchardus, 83
,, Sprattus, 84
Clupeadæ, 82
Clupeidæ, 82
Clupeidi, 82
Clupeinæ, 82
Clupeoideæ, 82
clupeoides, Coregonus, 81
Clupinæ, 82
Clusii, Galeus, 122
Coal Fish, 91
Coalsey, Poodlers, 91
Cobitidæ, 68
Cobitini, 68
Cobitis, 68
,, barbatula, 69
Cock Paidle, 109
Cod, Three bearded, 94
,, Five-bearded, 94
Codfish, Variable, 88
cœca, Lampetra, 145
,, Myxine, 146
cœcifer, Salmo, 77
cœcus, Gastrobranchus, 146
,, Petromyz. 145
cœruleus, Cyclopt. 109
,, Labrus, 21, 25
,, Leucisc. 67
,, Squalus, 125
Colias Rondeletii, 30
colias, Scomber, 30
colinus, Gadus, 91
Colmey, 91
Comber, Labrus, 22
Comber Wrasse, 22
Common Codfish, 87
,, Sea Bream, 18
,, Trout, 77
communis, Alosa, 85
communis, Clupea, 85
,, Cyclopt. 109
,, Tinca, 62
compressus, Cyprin. 67
Cooth, 91
Cornubiensis, Passer, 104
conductor, Centron. 34
conductus, Squalus, 123
Coney-fish, 93
Conger, 111
,, Eel, 112
,, Muræna, 112
,, Myrus, 112
,, vulgaris, 112
Connor, 23
coquillad, Blennius, 47
coquus, Labrus, 21
Coregonus, 80
,, albula, 81
,, clupeoides, 81
,, Pennantii, 80
,, Pollan, 81
Corkling, 24
Corkwing, 23
Cornish Sucker, 108
Cornubica, Lamna, 128
Cornubicus, Labrus, 23
,, Lophius, 57
,, Squalus, 128
,, *b*, Squalus, 129
Cornubiensis, Lepadog. 108
,, Salmo, 77
Cornubius, Labrus, 23
Cornutus, 5
Coryphæna, p., 39
Cottidæ, 6
Cottini, Triglidæ, 6
Cottoidæ, 2, 6
Cottus, 6
Cottus Bubalis, 7
,, Gobio, 6
,, quadricornis, 7
,, Scorpius, 6
Couchii, Acanth. 25
,, Cren. 24
,, Serran. 12
Couch's Sea Bream, 17, 18
Cramp Fish, 135
Crenilabrus, 2, 22
,, melops, 23
,, pusillus, 24
,, rupestris, 24
Crested Blenny, 47
Crooked Perch, 10
Crooner, 4
,, Red, 2
Crop Fish, 117
Crouger, 60
Crucian Carp, 59
Crue Herring, 83
Ctenoides, 1
Ctenolabrus, 11
,, rupestris, 21
cuculus, Trigla, 2, 4
Cuckoo, Gurnard, 2
Cudden, 91
Cumberland, Salmo, 75
curtus, Mugil. 28
curtus, Pagellus, 18
Curved-spotted Bull-trout, 76
Cuvier, La Raie, 137
Cuvier Ray, 137
Cuvieri, Raia, 137
cyclogaster, Liparis, 109
Cycloides, 58
cyclolepis, Barbus, 61
Cyclopodi, 52, 55, 107
Cyclops, Pleuronec. 102
Cyclopteridæ, 107
Cyclopterini, 107
Cyclopterus, 107, 108
,, Lumpus, 109
Cyclostomata, 142
Cyclostomes, 142
Cyclostomi, 142
Cylindrosomes, 58
Cynædus, 22, 24
Cynoglossa, 99, 100
cynoglossus, Pleuronec. 99
Cyprinidæ, 58
Cyprinæ, 58
Cyprini, 58
Cyprinides, 58
Cyprinini, 58
Cyprinoideæ, 58
Cyprinoides, 58
Cyprinus, 58
,, auratus, 60
,, Barbus, 60
,, Brama, 62
,, Carassius, 59
,, Carpio, 59
,, Gobio, 61
,, Tinca, 62
Cyprinopsis, 58
Cyprinosalmi, 74

D.

Dab, Long Rough, 101
,, Lemon, 100
,, Small-headed, 100
,, Smear, 100
,, Smooth, 100
Dab, The, 100
,, Town, 100
Dace, 66
Dactipli, 2
Dactyles, 2
Dactylophori, 2

Dalatias microcephalus, 132
Dalatias; 131
Dare, 66
Dart, 66
Dasyatis, 142
Dasybatis, 136
Deal Fish, 40
Decapterygii, Thor. 2
Deep-nosed Pipe-fish, 42
Delarochianus, Scylliorh. 124
Dentex, 19
,, Johnsoni, 19
Denticini, 16
Dermopteres, 74
diacantha, Sciæna, 10
diaphanus, Pleuronec. 105
Dicerobatis, 140
Diminutive Blenny, 46
Dinnen Skate,
Diodontidæ, 116
Diplanchias, 122
Diporobranchia, 142
Dipterygii, Achiri. 110
,, Apodes, 110
Discobola, 55, 107
Discoboli, 107
Discoboles, 107
dispar, Labrus, 21
diversicolor, Torpedo, 135
Dobula, Cyprin. 65
,, Leucisc. 64
Dobule Roach, 64
Donovani, Cren. 23
,, Labrus, 21
Doree, 38
Dorsch, Le, 88
Dorse, The, 88
Dory, 38
Double-spotted Goby, 52
Draco, Trach. 13
dracunculus, Callion. 55
Dragonet, Gemmeous, 55
Drummondii, Echiod. 51
Duckins, 37
Ductor, Centron. 34
Dun Cow, 138
Dusky Perch, 11

E.

Eagle Ray, 141
Echelus, 111
Echeneidæ, 55
Echeneis, 56
Echeneisidæ, 55
Echeneis Remora, 56
Echinorhinus, 132
Echinorhinus spinosus, 132
Echiodon, 51
Echiodon Drummondii, 51
Eel, Common, 111
Eelpout, 49, 93
eglanteria, Raia, 137
Egyptian Herring, 72
Elasmobranchii, 120, 123
Electric Ray, 135
elephas, Squalus, 129
Eleotris, 52
Eleutheropodes, 55
Eleutheropomes, 42, 120
Eleutheropomi, 120
Ellick, Red, 2
elongata, Platessa, 99
emarginata, Torpedo, 135
Emissole, Le Squale, 127
Enchelares, 42, 110
Enchelyopus, 50, 92
Encrasicholus, 86
,, Engraulis, 86
,, Encrasicholus, 86
,, Clupea, 86
Engraulis, 86
Enneapterygii, 29
ensiformis, Trich. 32
Eperlanus, Osmerus, 79
equoreus, Acus, 43
Eriox, Salmo, 76
erythrinus, Pagellus, 18
Erythrinus Rondeletii, 18
erythrinus, Sparus, 9
erythrophthalmus, Leucis. 66
Esca, Cyprinus, 84
esculentus, Merluc. 92
Esoces, 70
Esocidæ, 70
Esocidi, 70
Esocii, 70
Esocinæ, 70
Esocini, 70
Esox, p. 13, 70, 86
Esox Lucius, 70
Esturgeon, L' Acipensere, 121
Europæa, Sq. 133
europæus, Aspidoph. 8
,, Hemir. 72
,, Lophius, 57
evolans, Exoc. 73
exiliens, Exoc. 73
Exocœtus, 72
,, exiliens, 73
,, volitans, 73
Exocetidæ, 70
Exocetus, 72
exoletus, Acanth. 25
,, Labrus, 22
Eyed Dog-fish, 125

F.

Faber, Zeus, 38
Fabroniana, Raja, 141
falsavela, Raia, 136
Fanfarus, Naucr. 34
Farenus, Cypr. 62
Fario, 74
,, Salmo, 77
fasciatus, Blennius, 47
,, Pleuron. 106
,, Exoc. 73
,, Holocentr. 11
Father-lasher, 7
fera, Coreg. 80
Fergusonis, Lophius, 57
ferox, Salmo, 78
festiva, Julis, 26
Few-spotted Bull-trout, 76
Fiddle Fish, 133
Fierasfer, 50, 51
Fifteen-spined Stickleback 36
filaris, Trigla, 5
File-fish, Mediterranean, 118
Fingerling, 77
Finscale, 67
finta, Clupea, 85
,, Alosa, 85
Fire Flare, 142
Fistularini, 45
Fistulariadæ, 45
Fistularoideæ, 45
Flapper Skate, 139
flavum, Ophidion, 48
flavus, Serran. 11
Flesus, Platessa, 98
,, Pleuronec. 88
flossada, Raja, 138
Flounder, 98
,, Black hairy, 103
,, Mud, 99
,, Red-backed, 106
Fluke, 98
Fluke, Craig, 99
,, Fresh-water, 99
,, Salt-water, 100
fluvialis, Perca, 10
fluviatilis, Barbus, 60
,, Cernua, 12
,, Gobio, 61
,, Lampetra, 144
,, Mustela, 93
,, Perca, 9
,, Passer, 98
Flying Fish, 73
,, Greater, 73
,, Winged, 73
Fontanesii, Notopt. 51
Forchato, 5

Forestensis, Salmo fario, var. 77
Forked-Beard, The Lesser, 97
formosus, Sparus, 21
Four-spined Stickleback, 36
Fox, 55
Freckled Goby, 53
French Gurnard, 3
French Ray, 138
Friar Skate, 140
Fringed-lipped Lamprey, 144
frigidus, Leucisc. 64
Frog, Fishing, 57
Full-armed Stickleback, 35
Fuller Ray, 139
fullonica, Raja, 137, 138, 139
fulva, Muræna, 113
fuscus, Raniceps, 96, 97
furcatus, Physcis, 96
fusca, Phycis, 96

G.

Gadi, p., 55
Gadidæ, 87
Gadini, 87
Gadites, 87
Gadoideæ, 87
Gadoides, 87
gadoides, Blennius, 96
Gadusidæ, 87
Galeorhinus, 126, 127
Galerita, Blennius, 46, 47
Galeus, 126
,, Canis, 126
,, Squalus, 126
gallica, Raja, 138
Ganoides, 42, 116
Gardonus, 65
Gar-pike, 71
Garrick, 71
Garvie, 84
Gasterosteus, 35
,, aculeatus, 35
,, pungitius, 36
,, Spinachia, 36
,, spinulosus, 36
Gasterosteini, 29
Gastrobranchus, 145
Gastrophysus, 117
Gattorugin, 47
gattorugina, Blennius, 47
Gattorugine, Blennius, 47
Gattoruginous Blenny, 47
Gaverick, 2
Gavial, Lepisosteus, 86
Gedd, 70
German Carp, 59
Gemmeous Dragonet, 55
Gibbous Wrasse, 23
gibbus, Labrus, 23
Gibelio, Cyprin. 59
gigas, Hippogl. 101
,, Serran, 11
Gillaroo Trout, 77
Gilthead, 17, 23
Giorna, Raia, 141
,, Pterocephala, 141
Gipsy Herring, 83
Girella, La, 26
glacialis, Squalus, 132
gladius, Trichiur. 32
,, Xiphias, 33
Glani, 73
Glanis, Silurus, 73
glauca, ciliata, 95
,, Motella, 95
glaucus, Lichia, 34
,, Squalus, 125, 128
glauque, Le Squale, 125
glaycos, Lichia, 34
Glesne, Regal. 40
Globe Diodon, 116
glutinosa, Myxine, 145
Glutinous Hag, 146
Gluts, 111
Gobiadæ, 46, 52
Gobiesox, 107, 108
Gobidæ, 46, 52
Gobiidæ, 51
Gobio, 61
,, Cottus, 6
,, Cyprin. 61
Gobioideæ, 51
Gobioiden, 52
Gobioides, 51
Gobitis, 68
Gobius, 52
,, albus, 53
,, gracilis, 53
,, minutus, 53
,, niger, 52
,, Ruthensparri, 52
,, unipunctatus, 53
Gofnick, 72
Golden Carp, 60
,, Wrasse, 23
Gold-fish, 60
Goldsinny, 23
Goniodus, 132
Gorebill, 71
Gowdie, 55
Gowdnook, 72
gracilis, Gobius, 53
Graining, 66
Grammistes, 20
,, variegatus, 21
granulosa, Pristis, 134
,, Raia, 138
Grayling, 80
Gray Skate, 137
Great Lake Trout, 78
Great Pike Fish, 42
Green-bone, 49, 71
Green Cod, 91
Green Fish, 21
Green-streaked Wrasse, 21
Grey, 76
Grey Gurnard, 4
,, Lord, 91
,, Mullet, 27
Grigs, 111
Grillii, Gymn. 40
Grisle, 75
griseus, Canth. 16
,, Hexanchus, 130
,, Squalus, 130
Grislagine, Cyprin. 66
Groundling, 52, 69
gruncus, Echelus, 112
grunniens, Trigla, 4
Gudgeon, 61
Guffer, 49
Gullet, 139
Gunellus, 48
Gunnellus, 48
,, Blennius, 48
Gunneri, Cetorh. 129
,, Squalus, 132
Gurnard, Cuckoo, 2
,, Grey, 4
,, Mailed, 5
,, Pine-leaved, 2
,, Red, 4
,, Sapphirine, 3
,, Streaked, 3
Gurnardus, Trigla, 4
guttata, Muræoides, 49
,, Muræna, 113
guttatus, Lampris, 38
,, Zeus, 38
Gwiniad, 80
Gymnotidæ, 113
Gymnetridæ, 39
Gymnetrius, p. 40
Gymnocephalus, 11
Gymnodonta, 116
Gymnodontes, 116
Gymnogaster, 33, 40
Gymnopomes, 74, 82
Gymnothorax, 113
gymnurus, Gaster. 35

H.

Haddock, Norway, 9
Haddock, The, 88
Haddy, 88

Hadock, 88
Hag, 145
Hairtail, Silvery, 33
Hake, Common, 92
,, Forked, 96
,, Least, 97
,, Trifurcated, 96
Hake's Dame, 96
Half-armed Stickleback, 35
hamata, Trigla, 5
hamatus, Salmo, 74
Hammer-headed Shark, 126
Harbin, 91
Harengus, Clupea, 83
Hawkenii, Gymn. 40
hebetans, Torpedo, 135
Hebridicus, Osmerus, 79
Heckelii, Abrames, 63
Helena, Murænophis, 113
Helminthoidei, 142
Hemiramphus, 72
Hen Paidle, 109
Hendecapterygii, 107
Hepper, 77
Hepsetus, Ather. 26
heptagonus, Typhle, 42
Heptapterygii, p., 56, 58
,, Jugulares, 29, 46, 97
,, Thoracici, 9, 16
Herling, 75
Herring, Common, 83
,, Damin, 85
,, Elf, 85
,, Fresh-water, 81
,, Garvie, 84
,, Rock, 85
Herrings, King of, 40
Hespetus, Ather. 26
Heterosomata, 97
Heterosomes, 97
heterurus, Exoc. 73
hexagonus, Typhle, 43
Hexanchus, 130
,, griseus, 130
hians, Sayris, 72
hinnulus, Galeorhin, 127
Hippocampus, 45
,, brevirostris, 45
Hippoglossoides, 100
Hippoglossus, 101
,, Pleuronec. 101
Hirondelle de Mer, 73
hirtus, Pleuronec. 103
,, Rhombus, 103
,, Scophthalmus, 103
,, Zeugopt. 103
Hirundo, 73
hirundo, Trigla, 2, 4
Hispanorum, Trigla, 5
Hoe, 131
Hoe-mother, 129
Holibut, 101
Holobranches, 1
Holocentrus, 8
Holocephala, 121
Holocephali, 121
Holodactyli, 9
Holostei, 82
,, Scopelus, 82
Homelyn Ray, 138
Homer, 129
Homianus, Cetorh. 129
Horners, 114
Horn-fish, 71
Horse Mackerel, 37
Hucho, Salmo, 76
Huitingo-pollachius, Asellus, 91
Humboldti, Serpe, 82
Hush Bagaty, 109
Huso, Acipens. 121
Hyperoartii, 143
Hyperotreti, 145

I.

Icthycallus, 25
ichthyocolla, Huso, 121
Ichthyocoris, 46
Ichtyodera, 122
Idbarus, Idus, 64
Ide, The, 64
Idus, 64
Illeck, 55
imberbe, Ophidion, 48, 51
imberbis, Fierasfer, 51
,, Mullus, 8
immaculata, Torpedo, 135
imperialis, Bothus, 102
,, Zeus, 38
Indented Striped Wrasse, 26
intermedia, Raja, 139
Isinglass Sturgeon, 121
Islandicus; Bogmar. 40
Isurus, 128
,, cornubicus, 128
Italica, Perca, 10
,, Tinca, 62

J.

Jack, 70
Jago, Raniceps, 97
Jago's Goldsinny, 24
Jagonis, Perca? 39
Jeses, Cyprin. 65
Jew-fish, 12
John Dory, 38
Johnius, 15
Johnsoni, Dentex, 19
Joues cuirassees, 2, 8
jozo, Gobius, 52
Julis, 25
,, Julis, 26
,, Labrus, 26

K.

Keeling, The, 88
Keila, Gadus, 95
King Fish, 38
King of the Bream, 17
King of the Herrings, 122
Kingston, 133
Kite, 103
Kitt, Pleuronec. 103
Kleg, 89
Knoud, 4
Kuth, 91

L.

Labrax, 10
,, Perca, 10
Labridæ, 20
Labrini, 20
Labroideæ, 20
Labroides, 20
labrosus, Mugil, 27
Labrus, 20
,, bergylta, 20
,, carneus, 22
,, Comber, 22
,, Donovani, 21
,, maculatus, 20
,, mixtus, 21
,, trimaculus, 22
,, variegatus, 21
La Cepedei, Coregon. 81
lacustris, Salmo, 78
Læmargus, 131
lævigatus, Tetraodon, 116
Lævirajа, 140
lævis, Galeorh. 127
,, Gaster. 36
,, Pholis, 48
,, Phoxin. 68
,, Platessa, 99
,, Pleuronec. 100, 103
,, Rhombus, 100, 103
,, Sq. 133
,, Trigla, 3
Lagocephalus, 116
lagocephalus, Tetrodon, 116

Lamia, 128
Lamia, Squalus, 128
Lammasmen, 75
Lamna, 128
Lampetra, 143
,, fluviatilis, 144
,, medium genus, 144
,, Planeri, 144
Lampredini, 143
Lamprey, The, 143
Lampris, 38
,, Luna, 38
Lamproie, Petromyz. 143
lamproyon, Petromyz. 145
,, Limax, 146
Lancastriensis, Leuc. 66
Lanceolata, 110
lanceolatum, Branchiost. 146
lanceolatus, Ammod. 114
,, Amphiox. 146
Lant, 115
,, Great, 114
Lantern-fish, 104
Large-headed Bull-trout, 76
Large-headed Dog-fish, 123
lastoviga, Trigla, 3
laterna, Pleuronec. 104
latidens, Microstomus, 100
latirostris, Acipenser, 121
,, Anguilla, 111
latulus, Cyprin. 84
latus, Cyprin. 63
Lavaretus, Coregon. 80, 81
Leachi, Clupea, 83, 84
Leachii, Clupea, 83
Leach's Herring, 83
Leet, 91
Leiobatus, 141
Leiopomes, 9, 16, 20
leiurus, 35
,, Gaster. 35
Leotardi, Pleuronec. 105
Lepadogaster, 107
lepadogaster, Cyclopt. 108
Lepidopomes, 27, 70
Lepidopus, 32
,, caudatus, 32
Lepidosteini, 82
Lepidosteus, 86
Leptocardii, 120
Leptocephalidæ, 113
Leptocephalus, 114
Leptocephalus Morrisii, 114
Leptosomes, p., 29
Lepturus, Trich. 33
lepus, Blennius, 47
Lesser Lamprey, 144
Lesser Spotted Dog-fish, 123
Lesser Stickleback, 36
Leuciscini, 58
Leuciscus, 63, 66
,, Cephalus, 65
,, cæruleus, 67
,, Dobula, 64
,, Idus, 64
,, Lancastriensis, 66
,, rutilus, 65
Levenensis, Salmo, 77
Lewis, 133
Lewisii, Zygæna, 126
Lichia, 34
,, glaucus, 34
Limanda, 100
,, Hippoglossoides, 101
,, Platessa, 100
,, Pleuronectes, 100
Limandoides, Platessa, 101
,, Pleuronec. 101
Limax, 146
lineata, Trigla, 32
lineatus, Canth. 16
,, Centrop. 10
,, Labrus, 21
,, Sparus, 16
,, Trach. 13
Ling, 93
linguatula, Monochir, 107
Linguatula, Pleuronec. 107
lingula, Microchirus, 106
,, Pleuronec. 106
,, Solea, 107
Linnæi, Carass. 59
Lintea, Raja, 140
lioderma, Pleuronec. 103
Liparis, 109
Liparis Montagui, 110
,, nostras, 109
,, vulgaris, 109
Little Gurnard, 3
Little Pipe-fish, 44
Little Spotted Dog-fish, 123
Loach, 69
Loche, 69
Lochleven Trout, 77
Loe Pool Trout, 77
Lofidi, 56
Long Angler, 57
Long-finned Tunny, 31
longicauda, Cep. 54
long nez, Le Squale, 128
Long-nose, 71
Long-nosed Skate, 140
Long-tailed Blind-fish, 54
,, Shark, 130
longus, Asellus, 92
Lophiadæ, 56
Lophidæ, 56
Lophides, 56
Lophiidæ, 56
Lophius piscatorius, 56
Lophobranches, 41
Lophobranchia, 41
Lophobranchii, 42
Lophotini, 39
Lord-fish, 88
Loricati, 2
Lota, 92
,, Gadus, 93
lota, Enchelyopus, 93
Lotta, 92
Lotte commune, 93
Lo Trout, 77
lub, Gadus, 95
Lubricum, Branchiost. 146
Luce, 70
lucerna, Trigla, 5
lucidus, Alburn. 67
Lucius, 70
,, Esox, 70
Lucky Roach, 7
Lumaireul, Cyprin. 68
lumbriciformis, Syngn. 44
Lump, 95
Lumpenus, Blennius, 50
Lump Sucker, 109
,, Unctuous, 109
Lumpus, Cyclopt. 109
Luna, Lampris, 38
Lune, Tetrodon, 117
Lunulated Gilthead, 17, 18
Lupus, Anarrh. 50
,, Labrax, 10
lusca, Morrhua, 88
,, Morhua, 89
luscus, Asellus, 89
,, Gadus, 88
,, Labrus, 25
Lusitanicus, Vand. 32
Lutjanus, 10, 22
luvarus, Labrus, 22
Lymma, Trygon, 142
Lyra, Callion. 55
,, Trigla, 4
Lyrie, 8
Lythe, 91

M.

Mackerel Garrick, 72
,, guide, 71
,, Midge, 95
Mackrell, 29
Mackrel-sture, 30
macrocephala, Clupea, 84
macrolepidotus, Cyprin. 59

macrophthalmus, Scomber, 30
macrorhynchus, Raja, 139
macrourus, Alopias, 130
maculata, Ophis, 112
,, Raia, 138
maculatus, Balistes, 119
,, Labrus, 20
,, Scomber, 30
maculosa, Perca, 23
Maiden-skates, 137
Maigre, 16
Mailed Gurnard, 5
Majalis, Leucisc. 66
major, Barbus, 96
,, Syngn. 42
,, Trach. 13
vulgaris, Asellus, 87
Malacopteryges, 58
Malacopterygia, 58
,, abdominalia, 58
,, apodes, 110
,, subbrachiata, 87
Malacopterygiens, 58
Malacopterygii, 58
malarmet, Perist. 5
malleus, Zygæna, 126
marænula, Salmo, 81
marginata, Cep. 54
,, Raia, 138
marina, Brama, 28
,, Mustela, 93
,, Pastinaca, 142
,, Perca, 8, 11
,, Vulpes, 130
marinus, Salmo eperlanus, var., 79
,, Sebastes, 8
,, Serpens, 113
,, Petromyz. 143
marmorata, Torpedo, 135
Marsilii, Phoxin. 68
Marsipobranchii, 120, 142, 143
marsupiales, Syngn. 42
Marteau, Le Squale, 126
Maruna Eel, 50
Massena, Cephaloptera, 141
massiliensis, Scorp. 12
,, Sparus, 18
Mavis Skate, 140
maxima, Psetta, 102
,, Selache, 129
maximus, Psetta, 102
,, Petromyz. 143
,, Pleuronec. 102
,, Rhombus, 102
,, Schopth. 102
,, Squalus, 129
maximus, Syngn. 43
May Skate, 140
mediorostris, Anguilla, 111
mediterranea, Chimæra, 122
,, Julis, 26
Mediterranean File-fish, 119
,, Remora, 56
mediterraneus, Euchel. 93
,, Scomber, 31
megastoma, Pleuronec, 104
melanostomum, Pristid. 125
,, Scyllium, 124
melastomus, Galeus, 124
Melet, 84
meletta, Engraulis, 86
melops, Crenil. 23
Mennon, 68
Merlangus, 90
merlangus, Gadus, 90
Merluccius, 92
Merlucius, Gadus, 92
Merou, 11
merou, Holocentr. 11
Merrysole, 104
microcellata, Raja, 139
microcephala, Cynoglossa, 100
microcephalus, Coregon. 8
,, Platessa, 99
,, Pleuronec. 109
Microchirus, 106
,, Pleuron. 106
microlepidotus, Cyprin. 64
micropterus, Scymnus, 132
microstoma, Crenil. 25
,, Cynoglossa, 100
Microstomus, 99
,, Platessa, 100
Midge, 95
Midgen, 95
Milandre; Le Squale, 127
Miller's Dog, 127
Miller's Thumb, 6, 89
milvus, Trigla, 4, 5
Minim, 68
minimus, Gadus, 97
minor, Barbus, 97
,, Catulus, 123
,, Turdus, 24
Minow, 68
minuta, Eleotr. 53
,, Morrhua, 89
minutus, Gadus, 89
minutus, Gobius, 53
Miralet, La Raie, 139
Miraletus, Raja, 139
Mirring Nuss, 57
Mirror Ray, 139
Misgurnus, 68
mixtus, Labrus, 21
Mobula, 140
Mola, 117
,, Orthragor. 117
,, Salviani, 117
moles? Carassius, 59
mollis latus, Asellus, 89
,, major, Asellus, 90
,, minor, Asellus, 89
Molva, 92
,, Enchelyopus, 92
,, Gadus, 92
,, Lota, 92
monensis, Squalus, 129
monge, Notidanus, 130
Mongrel Skate, 133
Monk-fish, 133
Monochir, 106
Monochirus, 106
monstrosa, Chimæra, 122
Montacuti, Cyclopt. 110
Montagui, Blennius, 46
,, Liparis, 110
Montagu's Sucker, 110
Morgay, 123
Morio, Coryph. 39
Morhua,
Morrhua, 87
Morisii, Leptoceph. 114
Morrisianus, Leptoc. 114
Morrisii, Leptoc. 114
mosaica, Raja, 139
Motella, 93
mucosissima, Raia, 140
mucronata, Raia, 140
Mud Lamprey; 145
Mugil, 27
,, alatus, 73
,, Capito, 27
,, Chelo, 27
,, curtus, 28
Mugilidæ, 27
Mugilini, 27
Mugiloideæ, 27
Mugiloides, 26
Mulgranoc, 48
Mullet, 27
Mullidæ, 14
Mullites, 14
Mullus, 14
,, barbatus, 14
,, surmuletus, 14
multidentatus, Cren. 24
muræna, Gymnoth. 113
Murænidæ, 110
Murænoides, 48

Murænophis, 113
„ Helena, 113
Murloch, 128
musculus, Cyclopt. 109
Musignani, Echen. 56
mustela, Enchelyopus, 94
„ Gadus, 93, 94
„ Motella, 94
Mustelus, 127
„ vulgaris, 127
mustelus, Squalus, 127
Myliobatis, 141
„ aquila, 141
Myoxocephalus, 6
Myrus, Anguilla, 112
Myxine, 145
„ glutinosa, 145
Myxini, 145
Myxinia, 145
Myxinidæ, 145
Myxinoidei, 145

N.

nasus, Dipt. 122
„ Squalus, 128
Naucrates, 34
neglectus, Leucisc. 64
Nematosoma, 44
„ ophidion, 43
Nerophis, 44
Neustriæ, Labrus, 20
niger, Asellus, 91
„ Central. 39
„ Gobius, 52
„ Raniceps, 97
„ Sparus, 28
„ Perca, 39
nigromanus, Pleuronec. 99
Nilssoni, Galeus, 127
Noble, 8
nobiliana, Torpedo, 135
nobilis, Salmo, 74
noctula, Myliobatis, 141
Northern Charr, 78
Northumbricus, Gymn. 40
Norway Trout, 76
Norwegianus, Squalus, 132
Norwegica, Scorp. 8
Norwegicus, Cren. 23
„ Lutj. 23
„ Sebastes, 8
Notched Electric Ray, 135
Notidanus, 130
Nowd, 4
Nudicipites, 82
nudus, Cyprin. 59
„ Rhombus, 105
Numb-fish, 135
Nurse-hound, 124

O.

obesus, Echinorh. 132
oblongus, Orthrag. 118
obscura, Trigla, 5
obtusirostris, Gobio, 61
obtusus, Hemir. 72
oceanica, Limanda, 100
ocellaris, Blennius, 46
ochrodon, Aspius, 67
Octopterygii, Abdom. 9, 27
„ Jugula, 9
„ Thoracici, 2
9, 15
oculata, Raia, 139
Old Wife, 16, 21
olivacea, Pastinaca, 142
One-spotted Goby, 53
Onos, 88, 93
Opah, 38
„ Zeus, 38
Ophidii, Syngn. 42
Ophidini, 113
Ophidion, Nematos. 43
„ Nerophis, 44
Ophidium, 40, 50, 114
„ barbatum, 50
„ imberbe, 51
Ophidoides, Liparis, 109
Ophis, 112
„ Muræna, 112
Ophisomata, 110
Ophisomus, 48
Ophisurus, 112
„ ophis, 112
„ serpens, 113
Oplophores, 73
Orcynus, 30
orfus, Barbus, 67
orphus, Pagrus, 17
Orthagoriscidæ, 116
Orthagoriscus, 117
„ Cephalus,
117
Orthragoriscus, 117
„ Mola, 117
„ oblongus,
118
Osmerus, 79
„ Eperlanus, 79
„ Hebridicus, 79
Ossei, Pisces, 1
Osseous Fishes, 1
osseus, Esox, 86
osseux, Poiss. 1
Osteodermes, 42, 116
Osteodermi, 41
Otter Pike, 13
ovoviviparus, Blennius, 49
oxyrhynchus, Læviraja,
140
oxyrhynchus, Raja, 138,
140
oxyrinchus, Isurus, 128

P.

pagel, Sparus, 18
Pagellus, 18
„ Acarne, 19
„ centrodontus, 18
„ erythrinus, 18
Pagrus, 17
„ orphus, 17
„ Sparus, 17, 18
„ vulgaris, 17
Painted Ray, 139
palmicornis, Blennius, 47
palmitus, Scomber, 31
Pandora, 17
Pantopteres, p., 51, 110
papillon, Blenn. 47
Pareioplitеæ, 2
Pareioplonidæ, 2
Parr Billet, 91
Parr, The, 76
Parva, Lampetra, 144
„ Solea, 107
parvus, Pontiphis, 44
passer, Pleuronec. 98
Pastenaque, La Raie, 142
Pastinaca, 142
„ Raia, 142
„ Trygon, 142
patuvanus, Blennius, 47
pavo, Labrus, 21
pavoninus, Cyclopt. 109
Pearl, 103
pectinata, Pristis, 134
Pectorales pediculees, 56
pegusa, Pleuronec. 106
„ Solea, 106
Peixe Espada, 33
pelagicus, Scomber, 38
„ Syngn. 42
pelamides, Scomber, 31
Pelamys, 31
„ sarda, 31
„ Scomber, 31
pellucidum, Ophid. 114
pellucidus, Pleuronec. 105
Pennanti, Argent. 82
„ Dasybatis, 140
„ Scopel. 82
„ Squalus, 128
Pennantii, Blennius, 47
„ Coregon. 80
„ Cren. 23
„ Tetraodon, 115
Pennant's Globe-fish, 117
Penny Dog, 127
pentacanthus, Labrus, 25

Pentapterygii, Apodes, 46
110
Perca, 9
,, fluviatilis, 9
,, Labrax, 10
Percini, 9
Perch, Black, 39
,, Common, 9
,, Dusky, 11
,, Smooth, 11
Percidæ, 9
Percidi, 9
Percoideæ, 9
Percoides, 9, 12
Peristedion, 5
,, cataphractum,
5
Peronii, Lepid. 32
Peropteres, p. 29, 39
Pesce balestra, 119
Petalosomes, p. 29, 39
Petromyzidæ, 143, 146
Petromyzon, 143
,, branchialis, 145
,, marinus, 143
,, Myxine, 146
,, Planeri, 144
Petromyzonidæ, 143
Petromyzonini, 143
Petrophilus, 93
Phalangistes, 7
Pharyngognathi, 70
Phinoc, 75
,, Salmo, 75
Pholis, 47
,, lævis, 48
Phoxinus, 64
,, Leucisc. 68
Phycis, 92, 93
,, Blennius, 96
Physostomi, 58, 70, 73
,, apodes, 110
Picked Dog-fish, 131
,, Shark, 131
Pickerell, 70
Piescephalus, 107
Pigus, 65
Pike, 70
Pilchard, 83
Pilchardus, Clupea, 83
Pilot Fish, 34
pimperneaux, L'Anguille,
111
Pine-leaved Gurnard, 2
Pini, Trigla, 2
Pink, 68
pinna-squamata, Brama,
29
piscatorius, Loph. 56
Pipe-fish, Great, 42
Piper, 4
piscatorius, Batrach. 57
piscatrix, Rana, 57
Pisces, 1
Pittock, 91
Placoides, 123, 143
Plagiostomes, 122
Plagiostomi, 122
Plaice, Common, 98
,, Diamond, 98
Plain Bonito, 32
,, Red Mullet, 15
Plaise, 98
Plaise, Dutch, 98
Planer, Le Petromyzon,
144
Planeri, Lampetra, 144
Platessa, Pleuronec. 98
Platessoideæ, 97
Platosomia, 134
Platosomi, 123
Platysoma, 134
platyrhynchus, Squalus,
125
plebejus, Mustelus, 127
Plecopodes, p. 51
Plecopteres, 107
Plectognathes, 116
Plectognathi, 116
Pleronetti, 97
Pleuronectes, 98, 104
,, Hippoglossus,
101
,, Laterna, 104
,, megastoma,
104
,, Solea, 105
,, Platessa, 98
Pleuronectidæ, 97
Pluck, 8
Podley, 91
pœciloptera, Trigla, 3
Pogge, 8
Poissons plats, 97
Pola, Platessa, 99
Pole, 99
Pole-wig, 53
Pole panachee, 106
Pollachius, 90
,, Gadus, 91
,, Merlangus, 91
Pollack, 91
Pollan, Coregon. 81
Polycanthus, 35
Polyprion, 12
Pomeranian Bream, 63
Pompilus, Centrol. 39
pontica, Raja, 136
Pontiphis, 43
Poor, 89
Pope, 12
Porbeagle, 128
,, Shark, 128
porcus, Capriscus, 119
post, Holocentr. 12
poutassow, Merlang. 90
Pout and Bib, 89
Powan, 81
Power, 89
prasinus, Leucisc. 67
Presbyter, Ather. 26
Pricka, Petromyz. 144
primus, Asellus, 92
Prionodon, 125
prionurus, Squalus, 124
Pristibatis, 134
Pristides, 134
Pristididæ, 134
Pristidurus, 124
,, melanostomus,
124
Pristinæ, 134
Pristis, 134
,, antiquorum, 134
,, Squalus, 134
Pristiurus, 124
Proctopodes, 122
Prostomides, 41
provensalis, Mugil. 27
Prussian Carp, 60
Psetta, 102
,, maxima, 102
,, rhombus, 102
pseudopalus, Pleuronec.
104
pseudoflesus, Platessa, 98
Psittacus, Labrus, 21
Pterocephalus, 140
Pterurus, 114
punctata, Muræna, 113
,, Raia, 136
,, Sciæna, 10
,, Torpedo, 135
punctatum, Ophid. 51
punctatus, Echelus, 112
,, Gadus, 88
,, Morhua, 88
,, Pleuronec. 103
104
,, Scomber, 30
,, Scopthal. 104
,, Zeugopt. 104
pungitius, Gaster. 36
Puppy Fish, 133
pusilla, Perca, 41
pusillus, Cren. 24

Q.

quadricornis, Cottus, 7
quadridens, Platessa, 100
quadrimaculata, Raia, 139
Quarter-armed Stickle-
back, 35
Queen Fish, 100

quinquecirratus, Petroph. 94

R.

Rabbit Fish, 122
radiata, Raja, 137
,, Solea, 105
radula, Raia, 136
Raia, 136, 138
Raidæ, 134
Raii, 134
,, Blennius, 97
,, Brama, 28
Rainbow Wrasse, 26
Raja acus, 140
,, Batis, 137
,, clavata, 136
,, intermedia, 139
,, fullonica, 138
,, marginata, 138
,, microcellata, 139
,, oxyrhynchus, 138
,, radiata, 137
,, radula, 136
Rajæ, 134, 136
Rajidæ, 134
Ramada, Mugil. 27
Raphistoma, 71
Raniceps, 8
raninus, Gadus, 97
Ranzania, 117
,, oblonga, 118
Rashleigh Shark, 126
Rauner, 91
Rauning Pollack, 91
Ray, Electric, 135
Ray-mouthed Hound, 128
Ray's Bream, 28
Red Bard-fish, 54
Red-bellied Trout, 78
Red-eye, 66
Red Gilt-head, 18
Red Gurnard, 42
,, Lump, 109
,, Surmullet, 14
,, tubs, 3
,, Wrasse, 22
Regalecus, 40
,, Glesne, 40
regius, Zeus, 38
remipes, Regal. 40
Remora, 56
Renard, Le Squale, 130
Requin, Le Squale, 126
reticulata, Diodon. 117
Rhina, 133
rhombus, Pleuronec. 102
,, Psetta, 102, 103
Rhombus, Schopth. 103
Richardi, Hemir. 72
Riggle, 115
River Trout, 77
rivularis, Cyprin. 68
Roach, 65
robusta, Perca, 11
rocheanus, Thynnus, 32
Rochei, Scomber, 32
Rock Cook, 25
Rock-fish, 52
Rock Gurnard, 3
Rock-ling, 94
Rock Ling, 93
,, Three-bearded, 93
,, Four-bearded, 94
,, Five-bearded, 94
Rodinogaster, 4
Rogenia, 84
,, Esca, 84
Roman Muræna, 113
Rondeletii, Aper, 41
,, Capriscus, 119
,, Hippoc. 45
,, Lampetra, 143
,, Pagellus, 18
,, Syngn. 43
,, Umbra, 16
,, Xiphias, 33
Rone, Labrus, 23
roseus, Pleuronec. 98
rostellata, Raja, 138
rostrata, Belone, 71, 72
,, Raja, 138, 140
rostratus, Labrus, 22
,, Lepadog. 108
Rotchet, 5, 55
Roud, 67
Rouget, 5
Rough, 123
,, Flapper, 138
Round-tail, 76
Rousette, Le Squale, 123
Row-hound, 123
ruber, Mullus, 14
,, Petromyz. 145
rubescens, Cep. 54
Rubus, Raia, 136, 139
Rudd, 66
Ruffe, 12
,, Black, 39
Rumolo, Bothus, 103
rupestris, Cren. 24
Rupisuga, 107
Ruthensparri, Gobius, 52
rutilus, Leucisc. 65

S.

Sail-fish, 129
Salar, 74
Salar Ausonii, 77
,, Salmo, 174
Salmarinus, Salmo, 79
Salmo, 74
,, Eriox, 76
,, Fario, 77
,, ferox, 78
,, Salar, 74
,, Trutta, 75
,, Umbla, 78
Salmon, Common, 74
,, Bull-trout, 76
Salmones, 74
Salmon-spotted Bull-trout, 76
Salmon Trout, 75
Salmonidæ, 74
Salmonides, 74
Salmonidi, 74
Salmonini, 74
Salmoninæ, 74
Salmonoideæ, 74
Salmonoides, 74
Salmulus, Salmo, 76
Salvelinus, Salmo, 78
Samlet, 77
Sand Eel, 114
,, Launce, 115
,, pride, 145
,, Smelt, 26
Sand-sucker, 101
Sandy Ray, 136
sanguisuga, Petromyzon, 144
Sapphirine Gurnard, 3
Sarda, 31
sarda, Scomber, 31
sardus, Thynnus, 31
Sauroidei, 82
Saurus, Scomberesox, 71
,, Trachur. 37
Saury, 71
Saury Pike, 72
Saw-fish, 134
Saxicola, Glyptoceph. 99
,, Pleuronec. 99
Sayris, 71
Scabbard Fish, 31
Scad, 37
Scald Fish, 104
Scale-foot, 33
Scale-rayed Wrasse, 25
Scarcina, 32
Scardinius, 66
Scarini, 20
Schelly, 80
Schoneveldii, Cataphr. 8
Sciæna, 10, 15
Sciænidæ, 15
Sciænini, 15
Sciænoideæ, 15
Scienoides, 15

Scleroderma, 118
Sclerodermes, 118
Sclerodermi, 118
Scleroparei, 2
Scolopax, Centr. 45
Scomber, 29
,, Colias, 30
,, punctatus, 30
,, Scombrus, 29
Scomberesoces, 70
Scomberesox, 71
,, Saurus, 71
Scomberidæ, 12, 29, 37
Scomberini, 29
Scomberoideæ, 29
Scomberoidei, 29
Scomberoides, 29, 37
Scombridæ, 29, 38
Scombrini, 29
scombrus, Scomber, 29
Scopelidæ, 74
Scopelus, 82
Scopelus Pennanti, 82
Scophthalmus, 102
Scorpænidæ, 8
Scorpænini, 8
Scorpichthes, p. 1
scorpius, Cottus, 6
Scoticus, Brosmius, 95
scriptus, Sparus, 17
Scyllia, 123
Scylliadæ, 123
Scylliorhinus, 123, 124
Scyllium, 123
,, canicula, 124
,, Catulus, 123
Scymnus, 131
Scyphini, 41
Scyphius, p. 43
Sea Ape, 130
,, Bream, 18
,, Cat, 13, 50
,, Dace; 10
,, Devil, 57
,, Fox, 130
,, Gudgeon, 52
,, Horse, 45
,, Lamprey, 143
,, Loache, 94
,, Loche, 94
,, Monster, 122
,, Needle, 71
,, Owl, 109
,, Perch, 9
,, Pike, 14, 71
,, Poacher, 8
,, Scorpion, 6
,, Serpent, 40
,, Snail, 109
,, Trout, 75, 76
,, Wife, 25
Sea Wolf, 50
Sebastes, 8
Sebastes marinus, 8
Selacii, 122
Selachii, 122, 123
Selacha, 123
Selache, 129
Selachus, 129
Selaciens, 122
Selanoneus, Squalus, 128
Selanonius, 128
Selanonus, Squalus, 128
semi-armatus, Gaster. 35
Serpe, 82
serpens, Ophisurus, 113
Serpens rubescens, 54
serpentiformis, Cep. 54
Serran, 11
Serranus, 10
serra, Pristis, 134
Sethe, 91
Sewen or Sewin, 76
sey, Gadus, 91
Shad, 85
,, Twaite, 85
Shagreen Ray, 138
Shallow, 67
Shan, 48
Shark Ray, 133
Sharplin, 36
Sharp-nosed Eel, 111
,, Ray, 140
Shavianus, Cetorh. 129
Sheat Fish, 73
Sheppy Argentine, 82
Short Gray Mullet, 28
Short-nosed Hippocampus, 45
Short Sea Bream, 18
,, Sun Fish, 117
Siagonotes, 70
Sibbaldi, Syngn. 43
Sicilian Sword-fish, 33
Signatidi, 42
Sillock; 91
Silver-side, 26
Silver and Yellow Eel, 111
Silvery Hair-tail, 33
Siluri, 73
Siluridæ, 73
Siluridi, 73
Silurini, 73
Siluroideæ, 73
Siluroides, 73
Siluroidei, 73
Silurus, 73
,, Glanis, 73
Siphostoma, 42
Siphonostomes, p., 45
Skate, 137
Skate-toothed Shark, 127
Skelly, 65
Skipper, 71, 72
Skulpin, 55
Slender Goby, 53
Sly Silurus, 74
small-eyed Ray, 139
small-mouthed Launce, 115
,, Wrasse, 25
Smear Dab, 103
Smelt, 26
Smelt, The, 79
Smeltie, 89
Smolt, 75
Smooth Blenny, 48
,, Hound, 137
,, Perch, 11
,, Shark, 127
Smooth-tailed Stickleback, 35
Snake Pipe-fish, 43
Snake-fish, Red, 54
Snig, 111
Snig-Eel, 111
Snipe-nosed Trumpet Fish, 46
Soldier, 2
Sole, Common, 105
,, French, 99, 106
,, Lemon, 106
,, Little, 107
,, Red, 107
,, Sand, 106
,, Variegated, 106
Solea, 105
,, pegusa, 106
,, vulgaris, 105
,, Pleuronec. 105
Soleidæ, 97
Solenette, 107
Somniosus, 131
Sordid Dragonet, 55
Spallanzani, Isurus, 128
,, Leptoc. 114
Spanish Mackarel, 30
,, Sea Bream, 18
Sparidæ, 16
Sparidi, 16
Sparini, 16
Sparling, 79
Sparoideæ, 16
Sparoides, 16
Sparus, p. 28
,, aurata, 17, 18
,, boops, 20
,, Dentex, 19
,, erythrinus, 18
,, Johnsoni, 19
,, lineatus, 16
,, Vetula, 16
Spear-dog, 131

speculum, Cyprin. 59
,, Raja, 139
spet, Sphyr. 14
Sphærinæ, 26
Sphyrnias, 126
,, Zygæna, 126
Sphyrna, 126
Sphyræna, 13
,, Argent. 82
,, Esox, 14
,, Spet, 14
Spinachia, 35
,, Gasterost. 36
Spinax, 131
,, Squalus, 131
spinosa, Raia, 136
spinosus, Echinorhinus, 132
,, Squalus, 132
Spinous Loche, 69
spinulosus, Gaster. 36
Spirling, 79
Spotted Blenny, 49
,, Dog-fish, 123
,, Goby, 53
,, Mackerel, 30
,, Ray, 138
Sprat; 84
Sprattus, Clupea, 84
Squali, 122
Squalidæ, 123, 125
Squalius, 64
Squalus, 125, 133
,, Carcharias, 125
,, glaucus, 125,128
Squammipennes, 28
Squammipennæ, 28
Squamipinnati, 28
squamosus, Passer, 100
Squatina, 133
,, Rhina, 133
,, vulgaris, 133
Squatinæ, 133
Squatinini, 133
Stane-checker, 49
Starry Ray, 137
stellare, Scyllium, 123
stellatus, Tetrodon, 116
Stellated Globe-fish, 117
Stickleback, Three-spined, 35
,, Four-spined, 35
,, Fifteen-spined, 36
,, Ten-spined, 36
Sting-bull, 13
Sting-fish, 13
Sting Ray, 142
Stoer Mackerel, 30
Stone-basse, 12
Stone-fish, 48
Stone-grig, 145
Straight-nosed Pipe-fish, 44
Streaked Gurnard, 3
,, Wrasse, 21
Stroemii, Zeus, 38
Stromateus, p. 38
Sturgeon, Common, 121
Sturio, Acipenser, 121
Suceurs, 142
Suck-fish, Small, 108
Sucker, Bimaculated, 108
,, Jura, 108
,, Diminutive, 110
suillus, Labrus, 24
Sun-fish, Short, 117
,, 129
,, from Mount's Bay, 118
Surmuletus, Mullus, 14
Surmullet, 14
Surmulletus, Mullus, 14
Swaar-fish, 49
Swine-fish, 50
Sword Fish; 33
Swordick, 49
sylvaticus, Salmo, 77
Syngnathus, 42
,, acus, 42
,, æquoreus, 43
,, anguineus, 43
,, ophidion, 44
,, Typhle, 42
Syngnathidæ, 41
Syngnathini, 41

T.

tacaud, Gadus, 89
Tænia, Cepol. 54
,, Cobitis, 69
Tænioidæ, 39
Tænioidei, p. 39
Tænioides, 29, 39, 51
Tanche vulgaire, 62
tancoides, Labrus, 21
Tangle-fish, 42
Teleostei, 1
Tench, 62
Ten-spined Stickleback, 36
teraculeatus, Gaster. 35
tetracantha, Lichia, 34
tetradens, Ziphoth, 32
Tetraodon, 116
,, Pennantii, 116
Tetraodontidæ, 116
Tetrodon, 116
Theutidæ, 41
Theuties, 41
Thick-lipped Grey Mullet, 27
Thickly-spotted Bull-trout, 76
Thon a ventre raye, 31
thoracicus, Stromat. 39
Thornback, 136
Thymallus, 79
,, Salmo, 80
,, vulgaris, 80
Thynnus, 30
,, Alalonga, 31
,, Pelamys, 31
,, Scomber, 30
,, Thynnus, 30
Tinca, 61
,, Labrus, 20, 23
Tinker, 137
tiphle, Siphost. 43
Tobianus, Ammod. 114, 115
Tommy Logge, 6
Toothed Gilthead, 19, 28
Tope, 127
,, Shark, 127
Top-knot Flounder, 103
Torpedinæ, 135
Torpedines, 135
Torpedinini, 135
Torpedo, 135
,, marmorata, 135
,, nobiliana, 135
,, Raia, 135
Torpille, La Raie, 135
Torsk, Blennius, 95
Trachinedi, 12
Trachinidæ, 12
Trachinus, 13
,, draco, 13
,, vipera, 13
Trachurus, 37
trachurus, Gaster. 35
,, Scomber, 37
Trachypterini, 39
Trachypterus, 40
Trematopnei, 122
Trematopnes, 122
tres-grand, Le Squale, 129
Trichiurini, 29
Trichiurus, 33
,, lepturus, 33
tricirrata, Mot. 93
tricirratus, Gadus, 93
tridactylus, Blennius, 97
trifurcatus, Blennius, 97
,, Raniceps, 96
trifurcus, Gadus, 97
Trigla, 2
Trigla Blochii, 4
,, Gurnardus, 4
,, Hirundo, 3
,, lineata, 3
,, Lyra, 4

Trigla lucerna, 5
„ pœciloptera, 3
Triglidæ, 2
Triglini, 2
Trigonobatis, 142
Trimaculated Wrasse, 22
trimaculatus, Labrus, 22
Tripteronotus, 80
Trout, 77
Truite saumonee, 75
Trumpet Fish, 45
Truncated Sun-fish, 118
truncatus, Orthag. 118
Trutta lacustris, 75
Trutta, Salmo, 75, 77
Trygon, 142
Trygones, 142
Trygon Pastinaca, 142
tuberculatus, Pleuron. 102
Tub-fish, 3
Tunny, Common, 30
Turdus, Labrus, 23
„ vulgatissimus, 23
Tusk, 95
Tutriformes, 74
Turbot, 102
turbot, Pleuronec. 102
Two-spotted Goby, 52
Typhle, Syngn. 42
typus, Pollachius, 91

U.

Umbla, Salmo, 78
umbra, Perca, 15
Umbrina, 15
„ cirrhosa, 15
Unctuous Sucker, 109
unicolor, Maquereau, 32
unimaculatus, Rhombus, 104
unipunctatus, Gobius, 53
unipupillati, Cyprin. 58

V.

Vaagmaer, 41
Vacca, Squalus, 130
Vandellius, 32
Vandesius, Coreg. 81
Vanloo, Perca, 16
variegata, Muræna, 113
„ Solea, 106
variegatus, Labrus, 21
„ Monochir, 106
„ Pleuronec. 106
varius vel striatus, Asellus, 88
verus, Conger, 112
Vendace, 81
vetula, Balistes, 119
„ Labrus, 21, 25
„ Sparus, 16
vexillifer, Thymallus, 80
Vipera, Trach. 13
virens, Merlangus, 91
„ Pollachius, 91
virescens, Holocentr. 11
virgata; Raja, 136
viridis, Syngn. 43
vividus, Trach. 13
vittatus, Labrus, 21
viviparus, Zoarces, 49
Vogmarus, 40
Volitans, Exoc. 73
Vomer, Raia, 140
vorax, Lucius, 70
vulgaris, Acanthias, 131
„ Acerina, 12
„ Anguilla, 111
„ Barbus, 60
„ Belone, 71
„ Box, 20
„ Brosmus, 95
„ Carcharias, 126
„ Catulus, 123
„ Conger, 112
„ Dentex, 19
„ Engraulis, 86
„ Galeus, 126
„ Gunnellus, 48
„ Hippoc. 45
„ Hippoglos. 101
„ Julis, 26
„ Leucisc. 66
„ Limanda, 100
„ Liparis, 109
„ Lota, 93
„ Merl. 90
„ Merlucc. 92
„ Molva, 93
„ Morhua, 87
„ Motella, 94
„ Mustela, 94
„ Mustelus, 127
„ Pagrus, 17
„ Petroph. 94
„ Platessa, 98
„ Rhombus, 103
„ Scomber, 29
„ Solea, 105
„ Sphyr. 14
„ Spinachia, 37
„ Squatina, 133
„ Thymallus, 80
„ Thynnus, 30
„ Tinca, 62
„ Torpedo, 135
„ Trachur. 37
vulgaris, Trygon, 142
„ Umbrina, 15
vulpes, Squalus, 130

W.

Walkeri, Selanon. 128
Walshii, Torpedo, 135
Wartmanni, Salmo, 80
Weever, Common, 13
„ Great, 13
„ Lesser, 13
Whiff, 103
„ The, 104
Whip Ray, 141
Whistle-fish, 94
White, 75
Whitebait, 84
White Bream, 63
„ Goby, 53
„ Hause, 138, 139
„ Horse, 138
„ Shark, 125
„ Skate, 140
Whiting, The, 90
„ 75, 91
„ Pout, 89
Wide-gab, 57
Wide-mouthed Launce, 114
Willughbii, Coreg. 81
Willughbyi, Coreg. 81
Wolf-fish, 50
Wrasse, Ancient, 21
Wreck-fish, 12

X.

Xiphiadini, 29
Xiphias, 33
Xiphias gladius, 33

Y.

Yarrelli, Argentina, 79
Yarrellii; Acanth. 25
„ Blennius, 47
Yawling, 83
Yellow Gurnard, 55
Yellow Skulpin, 55
Young maidens, 137

Z.

Zeidæ, 37
Zeides, 38

Zeini, 29, 38
Zeugopterus, 103
Zeugopterus hirtus, 103
„ punctatus, 104
Zeus, 38
Zeus Faber, 38
Zeusidi, 29
Ziphotheca, 32
Zoarcæus, 49
Zoarces, 49
Zoarces viviparus, 49
Zoarchus, 49
Zygæna, 126
Zygæna, Sphyrnias, 126

LIST OF DONORS.

Allen (Thomas), Esq., 84
Anstice (J.), Esq., 114

Baker (Mr. Joseph), 57
Banks (Sir Joseph), Bart., 61
Bennett (Mrs.), 60
Booker, (—), Esq., 133
Browne (A. M.), Esq., 61

Children (John George), Esq., 24, 55, 85, 94, 107
Cocks (W. P.), Esq., 13, 34, 108, 123
Couch (Jonathan), Esq., 17, 18, 19, 47, 48, 52, 55, 91, 94, 95, 97, 108, 139, 146

Dalton (Rev. J.), 146
Doubleday (John), Esq., 61, 67, 70, 144

Enniskillen (Earl of), 138

Fox (John), Esq., 117

Gerrard (Mr. Edward), 18, 26, 83, 88
Goodall (Rev. Dr.), 145
Gould (John), Esq., 75, 78
Gray (John Edward), Esq., 7, 93, 105
Gray (S. F.), Esq., 70
Grove (Messrs. J. & C.), 11, 70, 132

Johnston (Dr. George), 7, 9, 28, 36, 49, 52, 53, 54, 88, 97, 128
Jesse (Edward), Esq., 59

Knight (J. A.), Esq., 80

Leach (Dr. W. Elford), 36

Melville (Dr.), 94

Oliffe and Cole (Messrs.), 65, 72, 105

Parlby (Major), 117

Parnell (Dr.), 4, 16, 17, 38, 76, 94, 106
Priestley (Mr. Joseph), 83
Reeve (John), Esq., 41
Ross (F. W. L.), Esq., 7
Rudd (T. S.), Esq., 82
Sewel (R. C.), Esq., D.C.L., 80
Slark (Mr.), 61
Smith (J. P. George), Esq., 96
Spence (Lieut. H. F.), R.N., 3, 6, 8, 11, 13, 16, 17, 19, 21, 22, 24, 25, 27, 37, 38, 41, 42, 44, 47, 48, 49, 52, 55, 75, 76, 77, 78, 93, 94, 96, 97, 98, 99, 100, 102, 103, 104, 105, 106, 109, 129, 133, 135, 136, 137, 140, 142
Swinburne (Capt.), R.N., 130
Thompson (W.), Esq., 36, 99
Trembly (J.), Esq., 53
Wilson (James), Esq., 78, 79
Yarrell (Wm.), Esq., 6, 27, 36, 43, 44, 50, 60, 62, 65, 68, 79, 81, 85, 90, 95

PRINTED BY E. NEWMAN, DEVONSHIRE ST., BISHOPSGATE